Product Data Sheet

High Density Polyethylene

A4009MFN1325

HDPE for Textile

A4009MFN1325 is a high density polyethylene homopolymer with a narrow molecular weight distribution primarily intended for the extrusion of monofilaments.

A4009MFN1325 has the following characteristics:

- High tenacity monofilaments & tapes
- Very low gels content
- Superior processability & surface quality
- Very low MVTR (Moisture Vapour Transmission Rate)

Examples of applications:

- Extrusion of monofilaments
- High tenacity tapes
- Cereal liners
- Injection moulding

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value	Units	Test Method
Melt flow rate (2.16 kg load)	0.9	g/10min	ISO 1133 Cond. D
Density	960	kg/m3	ISO 1872/1
Tensile strength at yield	30	MPa	ISO 527-2
Tensile strength at break	22	MPa	ISO 527-2
Elongation at break	> 500	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178

The properties shown are typical values measured on the product and should not be considered as specifications

INEOS Technologies

Food contact applications

As dispatched from our plants Innovene grades meet the requirements of most countries in respect of their usage in food contact applications. Official confirmation of compliance with current requirements in the individual countries will be provided on request. No liability can be accepted for any damage, loss, or injury arising out of failure to obtain such confirmation, or failure to observe any recommendations given.

Polyethylene and the environment

"INEOS will act responsibly and caringly towards those who work for us, the community whom we serve and the environment in which we live."
Natural Innovene polymers, as supplied, can be recycled, incinerated or disposed of in landfill without detriment to the environment.
With recycling, clean waste can be reused for many less demanding applications.
Alternatively, with properly controlled and efficient incineration, preferably linked to heat or other energy recovery systems, polyethylene's high calorific value will assist the combustion of municipal solid waste.
In landfill sites, Innovene grades do not degrade to produce voids, and do not emit dangerous gases or contribute to ground water pollution.
Natural Innovene polymers, as manufactured, comply with the limit for heavy metals (100 ppm total of lead, cadmium, mercury and hexavalent chromium) in packaging materials as defined in the European Union Directive 94/62/EC on packaging and packaging waste and the corresponding US CONEG regulations.
If pigments or other additives are incorporated into the Innovene polymers at the processing stage, the above statements may not be fully valid. INEOS will be pleased to offer advice in specific cases.

Health and safety

Material Safety Data Sheets for Innovene grades are available, and should be consulted before handling and using Innovene grades.

Exclusion of liability

Information contained in this publication, while accurate to the best knowledge and belief of INEOS and its subsidiary companies ("INEOS"), is not intended and should not be construed as a warranty or representation for which INEOS assumes any legal responsibility.
Any information or advice obtained from INEOS otherwise than by means of this publication and whether relating to INEOS materials or other materials, is also given in good faith. However, it remains at all times the responsibility of the customer to ensure that INEOS materials are suitable for the particular purpose intended.
In so far as materials not manufactured or supplied by INEOS are used in conjunction with or instead of INEOS materials, the customer should ensure he has received from the manufacturer or supplier all technical data and other information relating to such materials.
INEOS accepts no liability whatsoever (except as otherwise expressly provided by law) arising out of the use of information supplied, the application, adaptation or processing of the products described herein, the use of other materials in lieu of INEOS materials or the use of INEOS materials in conjunction with such other materials.
In particular, INEOS accepts no liability for infringement of patents of third parties arising out of the application or adaptation of information or advice obtained from INEOS in this publication or otherwise.
The information provided in this datasheet is intended to assist you in the use of INEOS materials. It does not attempt to describe every possible condition of use of INEOS materials.
INEOS

Product Data Sheet

High Density Polyethylene

T60-475-119

HDPE for Injection Moulding

T60-475-119 is a high density polyethylene characterized by a narrow molecular weight. Parts fabricated from this material exhibit a glossy surface finish and have good impact strength and rigidity.

T60-475-119 has the following characteristics:

- High rigidity
- Glossy surface aspects
- Good impact strength
- Meets FDA requirements of 21CFR 177.1520

Examples of applications:

- Crates, dustbins

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value	Units	Test Method
Melt flow rate (2.16 kg load)	4.8	g/10min	ASTM D 1238
Density	961	kg/m3	ASTM D 4883
Tensile strength at yield	30	MPa	ASTM D 638
Flexural Modulus	1675	MPa	ASTM D 790
Notched IZOD Impact Strength	42	J/m	ASTM D 256
Hardness (Shore D)	65		ASTM D 2240
Vicat softening point	129	°C	ASTM D 1525

The properties shown are typical values measured on the product and should not be considered as specifications

INEOS Technologies

Food contact applications

As dispatched from our plants Innovene grades meet the requirements of most countries in respect of their usage in food contact applications. Official confirmation of compliance with current requirements in the individual countries will be provided on request. No liability can be accepted for any damage, loss, or injury arising out of failure to obtain such confirmation, or failure to observe any recommendations given.

Polyethylene and the environment

"INEOS will act responsibly and caringly towards those who work for us, the community whom we serve and the environment in which we live."
Natural Innovene polymers, as supplied, can be recycled, incinerated or disposed of in landfill without detriment to the environment.
With recycling, clean waste can be reused for many less demanding applications.
Alternatively, with properly controlled and efficient incineration, preferably linked to heat or other energy recovery systems, polyethylene's high calorific value will assist the combustion of municipal solid waste.
In landfill sites, Innovene grades do not degrade to produce voids, and do not emit dangerous gases or contribute to ground water pollution.
Natural Innovene polymers, as manufactured, comply with the limit for heavy metals (100 ppm total of lead, cadmium, mercury and hexavalent chromium) in packaging materials as defined in the European Union Directive 94/62/EC on packaging and packaging waste and the corresponding US CONEG regulations.
If pigments or other additives are incorporated into the Innovene polymers at the processing stage, the above statements may not be fully valid. INEOS will be pleased to offer advice in specific cases.

Health and safety

Material Safety Data Sheets for Innovene grades are available, and should be consulted before handling and using Innovene grades.

Exclusion of liability

Information contained in this publication, while accurate to the best knowledge and belief of INEOS and its subsidiary companies ("INEOS"), is not intended and should not be construed as a warranty or representation for which INEOS assumes any legal responsibility.
Any information or advice obtained from INEOS otherwise than by means of this publication and whether relating to INEOS materials or other materials, is also given in good faith. However, it remains at all times the responsibility of the customer to ensure that INEOS materials are suitable for the particular purpose intended.
In so far as materials not manufactured or supplied by INEOS are used in conjunction with or instead of INEOS materials, the customer should ensure he has received from the manufacturer or supplier all technical data and other information relating to such materials.
INEOS accepts no liability whatsoever (except as otherwise expressly provided by law) arising out of the use of information supplied, the application, adaptation or processing of the products described herein, the use of other materials in lieu of INEOS materials or the use of INEOS materials in conjunction with such other materials.
In particular, INEOS accepts no liability for infringement of patents of third parties arising out of the application or adaptation of information or advice obtained from INEOS in this publication or otherwise.
The information provided in this datasheet is intended to assist you in the use of INEOS materials. It does not attempt to describe every possible condition of use of INEOS materials.
INEOS

Product Data Sheet

High Density Polyethylene

B50-35H-111

HDPE for Blow Moulding

B50-35H-111 is a medium molecular weight copolymer grade supplied in pellet form, which has an optimum balance of properties for use in a wide range of blow moulding and extrusion applications.

B50-35H-111 has the following characteristics:

- easy processing
- Good top load resistance
- high environmental stress cracking resistance (ESCR)
- high impact strength
- meets FDA requirements of 21CFR 177.1520

Examples of applications:

- household chemicals, pharmaceutical and cosmetic containers

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value	Units	Test Method
Melt flow rate (2.16 kg load)	0.35	g/10 min	ISO 1133
Density (annealed)	950	kg/m3	ISO 1872/1
Tensile strength at yield (2in/min)	25	MPa	ASTM D 638
Elongation at break	> 700	%	ASTM D 638
Flexural Modulus	1100	MPa	ASTM D 790
Tensile impact strength	300	kJ/m2	ASTM D 1822
Vicat softening point	130	°C	ASTM D 1525
BTT stress crack resistance (F50 at 50°C)	30	hours	ASTM D1693 A

The properties shown are typical values measured on the product and should not be considered as specifications

INEOS Technologies

Food contact applications

As dispatched from our plants Innovene grades meet the requirements of most countries in respect of their usage in food contact applications. Official confirmation of compliance with current requirements in the individual countries will be provided on request. No liability can be accepted for any damage, loss, or injury arising out of failure to obtain such confirmation, or failure to observe any recommendations given.

Polyethylene and the environment

"INEOS will act responsibly and caringly towards those who work for us, the community whom we serve and the environment in which we live."
Natural Innovene polymers, as supplied, can be recycled, incinerated or disposed of in landfill without detriment to the environment.
With recycling, clean waste can be reused for many less demanding applications.
Alternatively, with properly controlled and efficient incineration, preferably linked to heat or other energy recovery systems, polyethylene's high calorific value will assist the combustion of municipal solid waste.
In landfill sites, Innovene grades do not degrade to produce voids, and do not emit dangerous gases or contribute to ground water pollution.
Natural Innovene polymers, as manufactured, comply with the limit for heavy metals (100 ppm total of lead, cadmium, mercury and hexavalent chromium) in packaging materials as defined in the European Union Directive 94/62/EC on packaging and packaging waste and the corresponding US CONEG regulations.
If pigments or other additives are incorporated into the Innovene polymers at the processing stage, the above statements may not be fully valid. INEOS will be pleased to offer advice in specific cases.

Health and safety

Material Safety Data Sheets for Innovene grades are available, and should be consulted before handling and using Innovene grades.

Exclusion of liability

Information contained in this publication, while accurate to the best knowledge and belief of INEOS and its subsidiary companies ("INEOS"), is not intended and should not be construed as a warranty or representation for which INEOS assumes any legal responsibility.
Any information or advice obtained from INEOS otherwise than by means of this publication and whether relating to INEOS materials or other materials, is also given in good faith. However, it remains at all times the responsibility of the customer to ensure that INEOS materials are suitable for the particular purpose intended.
In so far as materials not manufactured or supplied by INEOS are used in conjunction with or instead of INEOS materials, the customer should ensure he has received from the manufacturer or supplier all technical data and other information relating to such materials.
INEOS accepts no liability whatsoever (except as otherwise expressly provided by law) arising out of the use of information supplied, the application, adaptation or processing of the products described herein, the use of other materials in lieu of INEOS materials or the use of INEOS materials in conjunction with such other materials.
In particular, INEOS accepts no liability for infringement of patents of third parties arising out of the application or adaptation of information or advice obtained from INEOS in this publication or otherwise.
The information provided in this datasheet is intended to assist you in the use of INEOS materials. It does not attempt to describe every possible condition of use of INEOS materials.
INEOS

Product Data Sheet

High Density Polyethylene

HP50-25-155

HDPE for Blow Moulding

HP50-25-155 is a high performance high density polyethylene copolymer developed for blow moulding. It is recommended for use in applications requiring excellent environmental stress crack resistance (ESCR). This grade is recommended for use in continuous extrusion blow moulding equipment.

HP50-25-155 has the following characteristics:

- excellent environmental stress cracking resistance
- good processability
- good impact strength
- meets FDA requirements of 21CFR 177.1520

Examples of applications:

- blow moulded containers up to 30 litres capacity for packaging chemicals and most household products

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value	Units	Test Method
Melt flow rate (2.16 kg load)	0.22	g/10 min	ISO 1133
Density (annealed)	951	kg/m3	ISO 1872/1
Tensile strength at yield (2in/min)	25.5	MPa	ASTM D 638
Elongation at break	700	%	ASTM D 638
Flexural Modulus	1100	MPa	ASTM D 790
Tensile impact strength	313	kJ/m2	ASTM D 1822
Vicat softening point	129	°C	ASTM D 1525

The properties shown are typical values measured on the product and should not be considered as specifications

INEOS Technologies

Food contact applications

As dispatched from our plants Innovene grades meet the requirements of most countries in respect of their usage in food contact applications. Official confirmation of compliance with current requirements in the individual countries will be provided on request. No liability can be accepted for any damage, loss, or injury arising out of failure to obtain such confirmation, or failure to observe any recommendations given.

Polyethylene and the environment

"INEOS will act responsibly and caringly towards those who work for us, the community whom we serve and the environment in which we live."
Natural Innovene polymers, as supplied, can be recycled, incinerated or disposed of in landfill without detriment to the environment.
With recycling, clean waste can be reused for many less demanding applications.
Alternatively, with properly controlled and efficient incineration, preferably linked to heat or other energy recovery systems, polyethylene's high calorific value will assist the combustion of municipal solid waste.
In landfill sites, Innovene grades do not degrade to produce voids, and do not emit dangerous gases or contribute to ground water pollution.
Natural Innovene polymers, as manufactured, comply with the limit for heavy metals (100 ppm total of lead, cadmium, mercury and hexavalent chromium) in packaging materials as defined in the European Union Directive 94/62/EC on packaging and packaging waste and the corresponding US CONEG regulations.
If pigments or other additives are incorporated into the Innovene polymers at the processing stage, the above statements may not be fully valid. INEOS will be pleased to offer advice in specific cases.

Health and safety

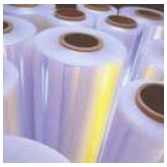
Material Safety Data Sheets for Innovene grades are available, and should be consulted before handling and using Innovene grades.

Exclusion of liability

Information contained in this publication, while accurate to the best knowledge and belief of INEOS and its subsidiary companies ("INEOS"), is not intended and should not be construed as a warranty or representation for which INEOS assumes any legal responsibility.
Any information or advice obtained from INEOS otherwise than by means of this publication and whether relating to INEOS materials or other materials, is also given in good faith. However, it remains at all times the responsibility of the customer to ensure that INEOS materials are suitable for the particular purpose intended.
In so far as materials not manufactured or supplied by INEOS are used in conjunction with or instead of INEOS materials, the customer should ensure he has received from the manufacturer or supplier all technical data and other information relating to such materials.
INEOS accepts no liability whatsoever (except as otherwise expressly provided by law) arising out of the use of information supplied, the application, adaptation or processing of the products described herein, the use of other materials in lieu of INEOS materials or the use of INEOS materials in conjunction with such other materials.
In particular, INEOS accepts no liability for infringement of patents of third parties arising out of the application or adaptation of information or advice obtained from INEOS in this publication or otherwise.
The information provided in this datasheet is intended to assist you in the use of INEOS materials. It does not attempt to describe every possible condition of use of INEOS materials.
INEOS

Product Data Sheet

High Density Polyethylene



J53-08 N2000

Bimodal HDPE for Film Extrusion

J53-08 N2000 is a high density polyethylene copolymer with a bimodal molecular weight distribution. This grade has been specifically developed for the production of very thin film produced at high line speed.

J53-08 N2000 has the following characteristics:

- Excellent drawability
- Good extrudability and bubble stability
- High tensile strength
- Very high stiffness
- Excellent toughness

Examples of applications:

- downgauging in all thin film applications

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value	Units	Test Method
Melt flow rate (21.6 kg load)	8	g/10min	ISO 1133 Cond. G
Density @ 23°C	953	kg/m^3	ISO 1183/A
Tensile strength at yield MD	31	MPa	ISO 527-3
Tensile strength at yield TD	27	MPa	ISO 527-3
Tensile strength at break MD	> 60	MPa	ISO 527-3
Tensile strength at break TD	> 50	MPa	ISO 527-3
Elongation at break MD/TD	> 250/>350	%	ISO 527-3
Dart drop impact	> 300	g	ASTM D 1709

The properties shown are typical values measured on the product and should not be considered as specifications
Film properties are measured on 15 µm gauge films obtained with a Blow Up Ratio of 4 and a neck height of 7D

INEOS Technologies

Food contact applications

As dispatched from our plants Innovene grades meet the requirements of most countries in respect of their usage in food contact applications. Official confirmation of compliance with current requirements in the individual countries will be provided on request. No liability can be accepted for any damage, loss, or injury arising out of failure to obtain such confirmation, or failure to observe any recommendations given.

Polyethylene and the environment

"INEOS will act responsibly and caringly towards those who work for us, the community whom we serve and the environment in which we live."
Natural Innovene polymers, as supplied, can be recycled, incinerated or disposed of in landfill without detriment to the environment.
With recycling, clean waste can be reused for many less demanding applications.
Alternatively, with properly controlled and efficient incineration, preferably linked to heat or other energy recovery systems, polyethylene's high calorific value will assist the combustion of municipal solid waste.
In landfill sites, Innovene grades do not degrade to produce voids, and do not emit dangerous gases or contribute to ground water pollution.
Natural Innovene polymers, as manufactured, comply with the limit for heavy metals (100 ppm total of lead, cadmium, mercury and hexavalent chromium) in packaging materials as defined in the European Union Directive 94/62/EC on packaging and packaging waste and the corresponding US CONEG regulations.
If pigments or other additives are incorporated into the Innovene polymers at the processing stage, the above statements may not be fully valid. INEOS will be pleased to offer advice in specific cases.

Health and safety

Material Safety Data Sheets for Innovene grades are available, and should be consulted before handling and using Innovene grades.

Exclusion of liability

Information contained in this publication, while accurate to the best knowledge and belief of INEOS and its subsidiary companies ("INEOS"), is not intended and should not be construed as a warranty or representation for which INEOS assumes any legal responsibility.
Any information or advice obtained from INEOS otherwise than by means of this publication and whether relating to INEOS materials or other materials, is also given in good faith. However, it remains at all times the responsibility of the customer to ensure that INEOS materials are suitable for the particular purpose intended.
In so far as materials not manufactured or supplied by INEOS are used in conjunction with or instead of INEOS materials, the customer should ensure he has received from the manufacturer or supplier all technical data and other information relating to such materials.
INEOS accepts no liability whatsoever (except as otherwise expressly provided by law) arising out of the use of information supplied, the application, adaptation or processing of the products described herein, the use of other materials in lieu of INEOS materials or the use of INEOS materials in conjunction with such other materials.
In particular, INEOS accepts no liability for infringement of patents of third parties arising out of the application or adaptation of information or advice obtained from INEOS in this publication or otherwise.
The information provided in this datasheet is intended to assist you in the use of INEOS materials. It does not attempt to describe every possible condition of use of INEOS materials.
INEOS

Product Data Sheet

High Density Polyethylene

T50-500

HDPE for Injection Moulding

T50-500 is a high density polyethylene characterized by a narrow molecular weight. It is intended for injection moulding applications where a good balance of processability and end-use properties are required.

T50-500 has the following characteristics:

- Good rigidity
- High impact strength
- meets FDA requirements of 21CFR 177.1520

Examples of applications:

- Pails, shopping carts, wheel hubs, general purpose injection moulding

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value	Units	Test Method
Melt flow rate (2.16 kg load)	6.5	g/10min	ASTM D 1238
Density	953	kg/m3	ASTM D 4883
Tensile strength at yield	27	MPa	ASTM D 638
Elongation at break	800	%	ASTM D 638
Flexural Modulus	1250	MPa	ASTM D 790
Notched IZOD Impact Strength	64	J/m	ASTM D 256
Hardness (Shore D)	65		ASTM D 2240
Vicat softening point	128	°C	ASTM D 1525

The properties shown are typical values measured on the product and should not be considered as specifications

INEOS Technologies

Food contact applications

As dispatched from our plants Innovene grades meet the requirements of most countries in respect of their usage in food contact applications. Official confirmation of compliance with current requirements in the individual countries will be provided on request. No liability can be accepted for any damage, loss, or injury arising out of failure to obtain such confirmation, or failure to observe any recommendations given.

Polyethylene and the environment

"INEOS will act responsibly and caringly towards those who work for us, the community whom we serve and the environment in which we live."
Natural Innovene polymers, as supplied, can be recycled, incinerated or disposed of in landfill without detriment to the environment.
With recycling, clean waste can be reused for many less demanding applications.
Alternatively, with properly controlled and efficient incineration, preferably linked to heat or other energy recovery systems, polyethylene's high calorific value will assist the combustion of municipal solid waste.
In landfill sites, Innovene grades do not degrade to produce voids, and do not emit dangerous gases or contribute to ground water pollution.
Natural Innovene polymers, as manufactured, comply with the limit for heavy metals (100 ppm total of lead, cadmium, mercury and hexavalent chromium) in packaging materials as defined in the European Union Directive 94/62/EC on packaging and packaging waste and the corresponding US CONEG regulations.
If pigments or other additives are incorporated into the Innovene polymers at the processing stage, the above statements may not be fully valid. INEOS will be pleased to offer advice in specific cases.

Health and safety

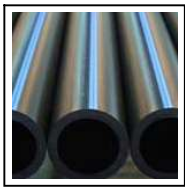
Material Safety Data Sheets for Innovene grades are available, and should be consulted before handling and using Innovene grades.

Exclusion of liability

Information contained in this publication, while accurate to the best knowledge and belief of INEOS and its subsidiary companies ("INEOS"), is not intended and should not be construed as a warranty or representation for which INEOS assumes any legal responsibility.
Any information or advice obtained from INEOS otherwise than by means of this publication and whether relating to INEOS materials or other materials, is also given in good faith. However, it remains at all times the responsibility of the customer to ensure that INEOS materials are suitable for the particular purpose intended.
In so far as materials not manufactured or supplied by INEOS are used in conjunction with or instead of INEOS materials, the customer should ensure he has received from the manufacturer or supplier all technical data and other information relating to such materials.
INEOS accepts no liability whatsoever (except as otherwise expressly provided by law) arising out of the use of information supplied, the application, adaptation or processing of the products described herein, the use of other materials in lieu of INEOS materials or the use of INEOS materials in conjunction with such other materials.
In particular, INEOS accepts no liability for infringement of patents of third parties arising out of the application or adaptation of information or advice obtained from INEOS in this publication or otherwise.
The information provided in this datasheet is intended to assist you in the use of INEOS materials. It does not attempt to describe every possible condition of use of INEOS materials.
INEOS

Product Data Sheet

High Density Polyethylene



INpipe 100

Bimodal Black HDPE for Pipe Extrusion

INpipe 100 is a black high density polyethylene copolymer designed for the extrusion of pipes.

INpipe 100 is classified PE 100 in accordance with ISO 12162 based on ISO 9080 analysis. PE 100 compounds are usually used for water & gas transportation as described in ISO 4427 and 4437 respectively.

INpipe 100 has the following characteristics:

- Outstanding environmental stress crack resistance
- High stiffness
- High impact strength (Rapid Crack Propagation)
- Good processability

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value	Units	Test Method
Melt flow rate (5 kg load)	0.3	g/10min	ISO 1133
Density	959	kg/m3	ISO 1872/1
Tensile strength at yield (50 mm/min)	24	MPa	ISO 527-2
Tensile Modulus (1 mm/min)	1100	MPa	ISO 527-2
Elongation at break	> 300	%	ISO 527-2
Vicat softening point (1 kg)	128	°C	ISO 306
BTT stress crack resistance (F50 at 50°C, 100 % concentration)	> 1000	hour	ASTM D1693

The properties shown are typical values measured on the product and should not be considered as specifications

INEOS Technologies

Food contact applications

As dispatched from our plants Innovene grades meet the requirements of most countries in respect of their usage in food contact applications. Official confirmation of compliance with current requirements in the individual countries will be provided on request. No liability can be accepted for any damage, loss, or injury arising out of failure to obtain such confirmation, or failure to observe any recommendations given.

Polyethylene and the environment

"INEOS will act responsibly and caringly towards those who work for us, the community whom we serve and the environment in which we live."
Natural Innovene polymers, as supplied, can be recycled, incinerated or disposed of in landfill without detriment to the environment.
With recycling, clean waste can be reused for many less demanding applications.
Alternatively, with properly controlled and efficient incineration, preferably linked to heat or other energy recovery systems, polyethylene's high calorific value will assist the combustion of municipal solid waste.
In landfill sites, Innovene grades do not degrade to produce voids, and do not emit dangerous gases or contribute to ground water pollution.
Natural Innovene polymers, as manufactured, comply with the limit for heavy metals (100 ppm total of lead, cadmium, mercury and hexavalent chromium) in packaging materials as defined in the European Union Directive 94/62/EC on packaging and packaging waste and the corresponding US CONEG regulations.
If pigments or other additives are incorporated into the Innovene polymers at the processing stage, the above statements may not be fully valid. INEOS will be pleased to offer advice in specific cases.

Health and safety

Material Safety Data Sheets for Innovene grades are available, and should be consulted before handling and using Innovene grades.

Exclusion of liability

Information contained in this publication, while accurate to the best knowledge and belief of INEOS and its subsidiary companies ("INEOS"), is not intended and should not be construed as a warranty or representation for which INEOS assumes any legal responsibility.
Any information or advice obtained from INEOS otherwise than by means of this publication and whether relating to INEOS materials or other materials, is also given in good faith. However, it remains at all times the responsibility of the customer to ensure that INEOS materials are suitable for the particular purpose intended.
In so far as materials not manufactured or supplied by INEOS are used in conjunction with or instead of INEOS materials, the customer should ensure he has received from the manufacturer or supplier all technical data and other information relating to such materials.
INEOS accepts no liability whatsoever (except as otherwise expressly provided by law) arising out of the use of information supplied, the application, adaptation or processing of the products described herein, the use of other materials in lieu of INEOS materials or the use of INEOS materials in conjunction with such other materials.
In particular, INEOS accepts no liability for infringement of patents of third parties arising out of the application or adaptation of information or advice obtained from INEOS in this publication or otherwise.
The information provided in this datasheet is intended to assist you in the use of INEOS materials. It does not attempt to describe every possible condition of use of INEOS materials.
INEOS