TotalEnergies

Refining & Chemicals
Polymers

Polyethylene LDPE 1700 MN 18 C

Technical data sheet
Low Density Polyethylene INJECTION MOULDING & COMPOUNDING
Produced in Europe

Description

LDPE 1700 MN 18 C is a low density polyethylene made by a high pressure autoclave process.

Grade for easy flow injection moulding of flexible parts, powder production for grinding and master-batches.

Characteristics

Property	Method	Unit	Typical value
Density	ISO 1183	g/cm³	0.918
Melt Flow Rate (190°C/2.16 kg)	ISO 1133	g/10 min	70
Melting temperature	ISO 11357	°C	105
Vicat temperature	ISO 306	°C	84

Values indicated are typical for this product. Density and MFR are properties routinely measured during “the standard quality control procedure”. The other figures are generated by tests not included in the "standard quality control procedure", and are given for information only. Data are not intended for specification purposes.

Polyethylene

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. These are typical values not to be construed as specification limits. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use. Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. The Companies within TotalEnergies Petrochemicals do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.

TOTALENERGIES ONE TECH BELGIUM
Zone Industrielle C
B-7181 Feluy
Belgium

TotalEnergies

Refining & Chemicals
Polymers

Polyethylene LDPE 1700 MN 18 C

Mechanical properties

Property	Method	Unit	Typical value (*)
Tensile Strength at Yield	ISO 527-2	MPa	8
Tensile Strength at Break	ISO 527-2	MPa	7
Elongation at Break	ISO 527-2	%	120
Modulus of Elasticity	ISO 527-2	MPa	150
Shore Hardness D (after 15")	ISO 868		50

(*) Figures stated hereabove are measured on a moulded plate.

Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery provided storage conditions are used as given in the SDS of our product. SDS may be obtained from the website: www.polymers.totalenergies.com.

Polyethylene

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. These are typical values not to be construed as specification limits. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use. Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. The Companies within TotalEnergies Petrochemicals do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.

TOTALENERGIES ONE TECH BELGIUM
Zone Industrielle C
B-7181 Feluy
Belgium