TotalEnergies

Refining & Chemicals
Polymers

Polyethylene HD 6081

Technical data sheet
High Density Polyethylene
Produced in Europe

Description

HD 6081 is a high density polyethylene with very good organoleptic properties, rigidity and processability.

It is especially suited for the production of caps & closures for non-carbonated drinks by injection moulding. Other typical applications include other caps & closures, pails & crates and general-purpose injection-moulded articles.

This grade does not contain a slip agent.

Characteristics

Property	Method	Unit	Typical value (*)
Melt Flow Rate (190°C/2.16 kg)	ISO 1133/D	g/10 min	8
Density	ISO 1183	kg/m³	960
Tensile modulus	ISO 527	MPa	1300
Tensile strength at yield	ISO 527	MPa	29
Melting temperature	ISO 11357	°C	133

(*) Values indicated are typical for this product. Density and MFR are 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.

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.

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