TotalEnergies

Refining & Chemicals
Polymers

Polyethylene Aceso® PEM 2440

Technical data sheet
Low Density Polyethylene Medical
Produced in Europe

Description

Aceso® PEM 2440 is a low density polyethylene made by a high pressure autoclave process without antioxidant. This grade is particularly suitable for the coating of paper, paperboard or aluminium as well as for the injection moulding process.

Aceso® PEM 2440 has been specifically designed for the manufacture of healthcare products and pharmaceutical packaging. However it is recommended to contact your local sales representative to obtain specific information and individual certificates regarding compliance to regulations.
Application examples: coating of paper, paperboard, aluminium.

Characteristics

Property	Method	Unit	Typical value
Density	ISO 1183	g/cm³	0.924
Melt Flow Rate (190°C/2.16 kg)	ISO 1133	g/10 min	4
Melting temperature	ISO 11357	°C	111
Vicat temperature	ISO 306	°C	95

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.

Mechanical properties

Property	Method	Unit	Typical value (*)
Tensile Strength at Yield	ISO 527-2	MPa	11
Tensile Strength at Break	ISO 527-2	MPa	13
Elongation at Break	ISO 527-2	%	550
Modulus of Elasticity	ISO 527-2	MPa	250

(*) 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.

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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