



TotalEnergies

Refining & Chemicals
Polymers

Polyethylene Circular Compound rPE 57525

Provisional Technical data sheet
High Density Polyethylene INJECTION MOULDING
Produced in Europe

Description

Circular compound rPE 57525 is a high density polyethylene (HDPE), containing 50 wt.% of recycled HDPE originating from post-consumer waste collected in Western European countries.

rPE 57525 has been designed for non-food caps and closures applications and is also suited for injection molding of technical parts, bins, boxes, crates, pallets... It offers easy processing with good balance of stiffness and stress cracking resistance.

rPE 57525 is a pellet grade and contains antioxidants.

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	g/cm ³	0.957
Melt Flow Rate (190°C/2.16 kg)	ISO 1133/D	g/10 min	2.5
Tensile modulus	ISO 527	MPa	1200
Melting temperature	ISO 11357	°C	130
PCR content	-	%	50
Color	-	-	Dark Grey

(*) Data 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.

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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