



TotalEnergies
Refining & Chemicals
Polymers

Polyethylene MDPE 3802 B

Technical data sheet
Medium Density Polyethylene CABLE
Produced in Europe

Description

MDPE 3802 B is a black medium density polyethylene particularly suited for cable sheathing applications and designed to meet the requirements for telecommunication and power cables (medium and high voltage).

MDPE 3802 B key characteristics are :

- A superior resistance to crack formation and growth
- An optimal balance of flexibility and mechanical strength allowing easy coiling, handling and installation together with high surface hardness and excellent abrasion resistance.
- An optimised formulation of additives and finely dispersed carbon black providing outstanding long-term stability in service
- Low dielectric constant
- Easy processing

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	g/cm ³	0.948
Melt Flow Rate (190°C/2.16 kg)	ISO 1133/D	g/10 min	0.2
Melt Flow Rate (190°C/5 kg)	ISO 1133/T	g/10 min	0.9
ESCR F50	ASTM D 1693 (b)	h	> 1000
Thermal stability OIT 200°C	EN 728	min	> 20
Shore D Hardness	DIN 53505		60

(*) 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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