



**TotalEnergies**

Refining & Chemicals  
Polymers

## Polyethylene MDPE 3802

Technical data sheet  
Medium Density Polyethylene CABLE  
Produced in Europe

### Description

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

MDPE 3802 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.
- Low dielectric constant
- Easy processing

### Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	g/cm <sup>3</sup>	0.938
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
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](http://www.polymers.totalenergies.com).

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