



TotalEnergies
Refining & Chemicals
Polymers

Polyethylene MDPE 3802 B

Technical data sheet
Medium Density Polyethylene PIPES & FITTINGS
Produced in Europe

Description

MDPE 3802 B is a high performance hexene-based black compound, with a MRS 8 MPa - PE 80 classification, and primarily intended for potable water and gas pipe applications.

MDPE 3802 B key characteristics are :

- a superior resistance to slow crack growth ensuring safe and long-term network operation
- an optimal balance of flexibility and mechanical strength that allows easy coiling, handling and installing of pipes
- an optimised formulation of additives and finely dispersed carbon black providing outstanding long-term stability in service.

Designation ISO 1872-PE,E/M-ACGHL,40-T012

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	kg/m ³	948
Melt Flow Rate (190°C/5 kg)	ISO 1133/T	g/10 min	0.9
Thermal stability 200°C	EN 728 / ISO 11357-6	min	> 20
Carbon black content	ISO 6964	%	2.0 – 2.5
Carbon black dispersion	ISO 18553	rating	≤ 3
Water content (**)	EN 12118	ppm	≤ 300

(*) Data not intended for specification purposes

(**) Measured at the stage of compound manufacturing

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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