TotalEnergies

Refining & Chemicals
Polymers

Polyethylene HDPE MS201BN-NA

Technical data sheet
High Density Polyethylene FUEL SYSTEMS

Description

HDPE MS201BN-NA is an uncoloured high density polyethylene with a high molecular weight design that is particularly suited for the blow moulding of Plastic Fuel Tanks and automotive technical parts.

HDPE MS201BN-NA key characteristics are :

- Excellent ESCR
- Outstanding resistance to fuel ageing
- Excellent impact resistance
- Easy processing
- High melt strength
- Suitability for all common barrier systems

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	g/cm³	0,946
Melt Flow Rate (190°C/21.6 kg)	ISO 1133/G	g/10 min	6
ESCR 100% Igepal F50	ASTM D1693	h	>1000
Tensile strength at yield	ISO 527	MPa	24
Elongation at break	ISO 527	%	> 600
Flexural modulus	ISO 178	MPa	1000

(*) Data not intended for specification purposes

Processing

It is recommended to process HDPE MS201BN-NA within the temperature range 190-240°C.

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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Polyethylene