TOTAL

Refining & Chemicals
Polymers

Polyethylene HDPE MS201BN-NA

Technical data sheet
High Density Polyethylene for 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:

Polyethylene