



TotalEnergies

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Polymers

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Polyethylene HDPE MS201N

Technical data sheet
High Density Polyethylene FUEL SYSTEMS
Produced in Europe

Description

HDPE MS201N is a natural 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 MS201N key characteristics are :

- Excellent ESCR
- Outstanding resistance to fuel ageing
- Excellent impact resistance
- Easy processing
- Suitability for all common barrier treatments

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	g/cm ³	0,949
Melt Flow Rate (190°C/21.6 kg)	ISO 1133/G	g/10 min	8
ESCR F50	ASTM D 1693	h	>1000
Tensile strength at yield	ISO 527	MPa	24
Elongation at break	ISO 527	%	>700
Flexural modulus	ISO 178	MPa	1100

(*) Data not intended for specification purposes

Processing

It is recommended to process HDPE MS201N within the temperature range 190-240°C.

Polyethylene