



TotalEnergies

Refining & Chemicals
Polymers

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.

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.

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