

TOTAL Polyethylene HDPE MS 201 BN

High Density Polyethylene
TOTAL Refining & Chemicals

Message:

HDPE MS 201 BN 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 MS 201 BN key characteristics are:
Excellent ESCR
Outstanding resistance to fuel ageing
Excellent impact resistance
Easy processing
Suitability for all common barrier treatments

General Information			
Features	High ESCR (Stress Cracking Resistance)		
	High molecular weight		
	Impact resistance, good		
	Workability, good		
	Fuel resistance		
Uses	Blow molding applications		
	Application in Automobile Field		
	Water tank		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	8.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (F50)	> 1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2
Tensile Strain (Break)	> 700	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178
Additional Information			

It is recommended to process HDPE MS 201 BN within the temperature range 190-240°C.

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