

TOTAL Polyethylene HDPE MS 201 BN-NA (US)

High Density (HMW) Polyethylene

TOTAL Refining & Chemicals

Message:

HDPE MS201 BN-NA: Good melt strength, excellent impact and creep resistance, excellent stress, cracking resistance, GMP.PE.062 certification

Applications: Automotive fuel tanks

General Information			
Features	High ESCR (Stress Cracking Resistance)		
	High molecular weight		
	High density		
	Impact resistance, high		
	Good creep resistance		
	Good melt strength		
Uses	Application in Automobile Field		
	Fuel Tank		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.946	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	6.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (100% Igepal, F50)	> 1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 600	%	ISO 527-2/50
Bending modulus-0.4% secant	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	640	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	127	°C	ASTM D3417
Additional Information	Nominal Value	Unit	
Blow Molding Temperature	188 - 232	°C	

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