

Description

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

Applications: Automotive fuel tanks

Characteristics

	Method	Unit	Typical Value
Rheological Properties⁽¹⁾			
Melt Flow Index	ISO 1133	g/10 min	
190°C/21.6 kg (HLMI)			6.0
Mechanical Properties⁽¹⁾⁽²⁾			
Tensile Strength @ Yield	ISO 527, 50 mm/min	MPa	24.0
Elongation at Break	ISO 527, 50 mm/min	%	>600
Flexural Modulus @ 0.4% Strain	ISO 178	MPa	1,100
Notched Izod Impact Strength	D 256, A 1/8 in thick specimen	ft-lb/in	12.0
ESCR ⁽³⁾	D1693, B 100% Igepal	F ₅₀ , hrs	>1000
Thermal Properties⁽¹⁾⁽²⁾			
Melting Point	D-3417	°F	260
Other Physical Properties			
Density	ISO 1183	g/cm ³	0.946
Processing Recommendation			
Blow Molding Stock Temperature		°F	370 – 450

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

(2) The data listed was determined on compression molded specimens and may, therefore, vary from specimens taken from molded articles.

(3) Environmental Stress Crack Resistance (ESCR)