

# TOTAL Polyethylene HDPE BM 961

High Density Polyethylene  
TOTAL Refining & Chemicals

Message:

TOTAL Polyethylene BM 961 is a High Density Polyethylene material. It is available in Asia Pacific or North America for blow molding or extrusion. Important attributes of TOTAL Polyethylene BM 961 are:  
REACH Compliant  
High Gloss  
High Stiffness  
Wear Resistant  
Typical applications include:  
Food Contact Applications  
Additive/Masterbatch  
Bottles

General Information			
Features	Good Abrasion Resistance		
	High Gloss		
	High Stiffness		
Uses	Blending		
	Bottles		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520(c) 2.1		
	FDA 21 CFR 177.1520(c) 2.2		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.961	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	1.2	g/10 min	
190°C/21.6 kg	33	g/10 min	
Environmental Stress-Cracking Resistance (10% Igepal, Compression Molded)	10.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Compression Molded)	29.6	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Compression Molded)	> 500	%	ASTM D638

Flexural Modulus - 1% Secant (Compression Molded)	1330	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C, Compression Molded)	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	129	°C	DSC
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	> 25		Internal Method
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 199	°C	
NOTE			
1.	Type IV, 51 mm/min		
2.	Type IV, 51 mm/min		

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#### Recommended distributors for this material

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