

# TOTAL Polyethylene HDPE BM 962

High Density Polyethylene  
TOTAL Refining & Chemicals

Message:

TOTAL Polyethylene BM 962 is a high density polyethylene material. This product is available in North America or Asia Pacific region. The processing method is blow molding.

The main features of the TOTAL Polyethylene BM 962 are:

- Comply with REACH standard
- High stiffness
- high gloss
- Wear-resistant

Typical application areas include:

- food contact applications
- bottle
- additive/masterbatch

General Information			
Features	Rigidity, high		
	Highlight		
	Good wear resistance		
Uses	Blow molding applications		
	Mixing		
	Bottle		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520(c) 2.1		
	FDA 21 CFR 177.1520(c) 2.2		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.961	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	2.0	g/10 min	ASTM D1238
190°C/21.6 kg	55	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal)	10.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	29.6	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	500	%	ASTM D638
Flexural Modulus	1310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	290	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	129	°C	ASTM D3418
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	25		ASTM D523

#### Additional Information

The value listed as Gloss, ASTM D523, was tested in accordance with Total internal methods.Elongation at Break, ASTM D638, Type IV, 2 in/min: >500%Gloss, ASTM D523, 60°: >25

#### NOTE

1. Type 4, 51mm/min
2. Type 4, 51mm/min

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#### Recommended distributors for this material

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