

# Marlex® EHM 6007

High Density Polyethylene

Chevron Phillips Chemical Company LLC

Message:

Marlex® EHM 6007 is a High Density Polyethylene material. It is available in Europe, Latin America, or North America for blow molding.

Important attributes of Marlex® EHM 6007 are:

Low to No Odor/Taste

Eco-Friendly/Green

Good Stiffness

Homopolymer

Impact Resistant

Typical applications include:

Automotive

Bottles

Food Contact Applications

Packaging

General Information			
Features	Good Impact Resistance		
	Good Stiffness		
	Homopolymer		
	Low Odor Transfer		
	Low Taste Transfer		
	Recyclable Material		
Uses	Bottles		
	Food Packaging		
Agency Ratings	ASTM D 4976-PE244		
	FDA 21 CFR 177.1520(c) 2.2 2		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.964	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	15.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Compression Molded)	30.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Compression Molded)	> 300	%	ASTM D638
Flexural Modulus (Compression Molded)	1650	MPa	ASTM D790

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746A
NOTE			
1.	Type IV, 51 mm/min		
2.	Type IV, 51 mm/min		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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