

Marlex® EHM 6004

High Density Polyethylene
Chevron Phillips Chemical Company LLC

Message:

Marlex® EHM 6004 is a High Density Polyethylene material. It is available in Latin America or North America for blow molding.
Important attributes of Marlex® EHM 6004 are:
Eco-Friendly/Green
Food Contact Acceptable
Good Processability
Good Stiffness
Homopolymer
Typical applications include:
Packaging
Bottles
Food Contact Applications

General Information			
Features	Durable Food Contact Acceptable Good Processability Good Stiffness Homopolymer Recyclable Material		
Uses	Bottles Food Packaging Packaging		
Agency Ratings	ASTM D 4976-PE245 FDA 21 CFR 177.1520(c) 2.2		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.963	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.37	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	15.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	31.0	MPa	ASTM D638
Tensile Elongation ² (Break)	500	%	ASTM D638
Flexural Modulus - Tangent ³	1650	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746A

NOTE

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|----|--------------------|
| 1. | Type IV, 51 mm/min |
| 2. | Type IV, 51 mm/min |
| 3. | 13 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

