

Marlex® 9512H

High Density (HMW) Polyethylene
Chevron Phillips Chemical Company LLC

Message:

Marlex® 9512H is a High Density (HMW) Polyethylene material. It is available in Latin America or North America for blow molding or extrusion. Important attributes of Marlex® 9512H are:

- Eco-Friendly/Green
- Good Stiffness
- Hexene Comonomer
- High ESCR (Stress Crack Resistant)
- High Molecular Weight

Typical applications include:

- Containers
- Bottles
- Food Contact Applications
- Medical/Healthcare

General Information			
Features	Durable		
	Good Impact Resistance		
	Good Stiffness		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
	Recyclable Material		
Uses	Bottles		
	Containers		
	Industrial Containers		
	Personal Care		
Agency Ratings	ASTM D 4976-PE235		
	FDA 21 CFR 177.1520(c) 3.2a 2		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	60.0	hr	ASTM D1693B

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	28.0	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	500	%	ASTM D638
Flexural Modulus - Tangent ³ (Compression Molded)	1270	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		
3.	13 mm/min		

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Recommended distributors for this material

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