

Marlex® 9514H

High Density (HMW) Polyethylene
Chevron Phillips Chemical Company LLC

Message:

Marlex® 9514H is a High Density (HMW) Polyethylene material. It is available in Latin America or North America for blow molding.

Important attributes of Marlex® 9514H are:

- Eco-Friendly/Green
- Food Contact Acceptable
- Good Stiffness
- Hexene Comonomer
- High ESCR (Stress Crack Resistant)

Typical applications include:

- Containers
- Engineering/Industrial Parts
- Food Contact Applications
- Household Applications

General Information			
Features	Durable		
	Food Contact Acceptable		
	Good Melt Strength		
	Good Stiffness		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
	Recyclable Material		
Uses	Containers		
	Household Goods		
	Industrial Containers		
	Industrial Parts		
Agency Ratings	ASTM D 4976-PE235		
	FDA 21 CFR 177.1520(c) 3.2a 2		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.957	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	50.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength ¹ (Yield, Compression Molded)	30.0	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	800	%	ASTM D638
Flexural Modulus - Tangent ³ (Compression Molded)	1410	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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