

Marlex® 9505H

High Density Polyethylene
Chevron Phillips Chemical Company LLC

Message:

Marlex® 9505H is a High Density Polyethylene material. It is available in Latin America or North America for blow molding.
Important attributes of Marlex® 9505H are:
Antistatic
Eco-Friendly/Green
Hexene Comonomer
High ESCR (Stress Crack Resistant)
High Molecular Weight
Typical applications include:
Containers
Bottles
Food Contact Applications

General Information			
Additive	Antistatic		
Features	Antistatic		
	Durable		
	Good Impact Resistance		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
Uses	Recyclable Material		
	Blow Molding Applications		
	Blown Containers		
	Bottles		
Agency Ratings	Industrial Containers		
	ASTM D 4976-PE235		
Processing Method	FDA 21 CFR 177.1520(c) 3.1a		
	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.34	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	250	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	26.0	MPa	ASTM D638
Tensile Elongation ² (Break)	500	%	ASTM D638

Flexural Modulus - Tangent	1070	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ³	< -75.0	°C	ASTM D746A
NOTE			
1.	Type IV, 51 mm/min		
2.	Type IV, 51 mm/min		
3.	Type I		

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Recommended distributors for this material

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