

Marlex® 9519H

High Density (HMW) Polyethylene

Chevron Phillips Chemical Company LLC

Message:

Marlex® 9519H is a High Density (HMW) Polyethylene material. It is available in Latin America or North America for blow molding.

Important attributes of Marlex® 9519H are:

Antistatic

Eco-Friendly/Green

Good Stiffness

High ESCR (Stress Crack Resistant)

High Molecular Weight

Typical applications include:

Containers

Food Contact Applications

Household Applications

General Information			
Additive	Antistatic		
Features	Antistatic		
	Durable		
	Good Melt Strength		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
Uses	Recyclable Material		
	Blow Molding Applications		
	Containers		
	Household Goods		
Agency Ratings	Industrial Containers		
	ASTM D 4976-PE245		
	FDA 21 CFR 177.1520(c) 2.2 2		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.962	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, Compression Molded, F50)	24.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	32.0	MPa	ASTM D638

Tensile Elongation ² (Break, Compression Molded)	> 500	%	ASTM D638
Flexural Modulus - Tangent ³ (Compression Molded)	1480	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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