

Marlex® HHM 5502LW

High Density (HMW) Polyethylene
Chevron Phillips Chemical Company LLC

Message:

Marlex® HHM 5502LW 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® HHM 5502LW are:

- Antistatic
- Eco-Friendly/Green
- Food Contact Acceptable
- Good Processability
- Good Stiffness

Typical applications include:

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

General Information	
Additive	Antistatic
Features	Antistatic
	Durable
	Food Contact Acceptable
	Good Processability
	Good Stiffness
	Hexene Comonomer
	High Molecular Weight
Uses	Recyclable Material
	Blown Containers
	Bottles
	Containers
	Household Goods
	Industrial Containers
	Pharmaceuticals
Agency Ratings	ASTM D 4976-PE235
	DMF Unspecified Rating
	FDA 21 CFR 177.1520(c) 3.2a 2
Forms	Pellets
Processing Method	Blow Molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.955	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)	30.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	27.0	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	500	%	ASTM D638
Flexural Modulus - Tangent ³ (Compression Molded)	1370	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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