

Marlex® HHM 5502BZ

High Density (HMW) Polyethylene
Chevron Phillips Chemical Company LLC

Message:

Marlex® HHM 5502BZ is a High Density (HMW) Polyethylene material. It is available in Latin America or North America for blow molding or injection blow molding.

Important attributes of Marlex® HHM 5502BZ are:

- Eco-Friendly/Green
- Food Contact Acceptable
- Good Mold Release
- Good Processability
- Good Stiffness

Typical applications include:

- Medical/Healthcare
- Containers
- Food Contact Applications

General Information			
Features	Durable		
	Food Contact Acceptable		
	Good Mold Release		
	Good Processability		
	Good Stiffness		
	Hexene Comonomer		
	High Molecular Weight		
	Recyclable Material		
Uses	Blown 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		
	Injection Blow Molding		
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)	35.0	hr	ASTM D1693C

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	27.0	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	600	%	ASTM D638
Flexural Modulus - Tangent ³ (Compression Molded)	1440	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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