

# Marlex® HHM 5502LD

High Density Polyethylene  
Chevron Phillips Chemical Company LLC

Message:

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

Important attributes of Marlex® HHM 5502LD are:

- Antistatic
- Eco-Friendly/Green
- Good Processability
- Good Stiffness
- Hexene Comonomer

Typical applications include:

- Containers
- Food Contact Applications
- Household Applications

General Information			
Additive	Antistatic		
Features	Antistatic		
	Durable		
	Good Processability		
	Good Stiffness		
	Hexene Comonomer		
	High Molecular Weight		
	Recyclable Material		
Uses	Blown Containers		
	Household Goods		
Agency Ratings	ASTM D 4976-PE235		
	FDA 21 CFR 177.1520(c) 3.1a 2		
Forms	Pellets		
Processing Method	Blow Molding		
	Injection Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm <sup>3</sup>	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 D1693B
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength <sup>1</sup> (Yield, Compression Molded)	27.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Compression Molded)	600	%	ASTM D638
Flexural Modulus - Tangent <sup>3</sup> (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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