# Marlex® HHM 5202-02BN

## High Density Polyethylene

### Chevron Phillips Chemical Company LLC

#### Message:

Marlex ® HHM 5202-02BN is a High Density Polyethylene material. It is available in Latin America or North America for blow molding or extrusion. Important attributes of Marlex ® HHM 5202-02BN are: Eco-Friendly/Green Food Contact Acceptable Good Processability Good Stiffness Hexene Comonomer Typical applications include: Containers Medical/Healthcare Consumer Goods Food Contact Applications Household Applications

Features Durable   Food Contact Acceptable   Good Processability   Good Stiffness   Hexene Comonomer   High ESCR (Stress Crack Resist.)   High Molecular Weight   Recyclable Material	
Good ProcessabilityGood StiffnessHexene ComonomerHigh ESCR (Stress Crack Resist.)High Molecular WeightRecyclable MaterialUsesContainers	
Good Stiffness     Hexene Comonomer     High ESCR (Stress Crack Resist.)     High Molecular Weight     Recyclable Material	
Hexene Comonomer     High ESCR (Stress Crack Resist.)     High Molecular Weight     Recyclable Material     Uses   Containers	
High ESCR (Stress Crack Resist.)     High Molecular Weight     Recyclable Material     Uses   Containers	
High Molecular Weight   Recyclable Material   Uses Containers	
Uses Containers	
Uses Containers	
Household Goods	
Industrial Containers	
Personal Care	
Toys	
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 Metho	d
Density 0.951 g/cm <sup>3</sup> ASTM D150	u

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	50.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Compression Molded)	26.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Compression Molded)	600	%	ASTM D638
Flexural Modulus - Tangent <sup>3</sup> (Compression Molded)	1310	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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