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

General Information	
Features	Durable
	Food Contact Acceptable
	Good Processability
	Good Stiffness
	Hexene Comonomer
	High ESCR (Stress Crack Resist.)
	High Molecular Weight
	Recyclable Material
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 Method
Density	0.951	g/cm³	ASTM D1505

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 [1] (Yield, Compression Molded)	26.0	MPa	ASTM D638
Tensile Elongation [2] (Break, Compression Molded)	600	%	ASTM D638
Flexural Modulus - Tangent [3] (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

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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