Marlex® HHM 5502BN

High Density Polyethylene

Saudi Polymers Company



Technical Data

Product Description

This high molecular weight hexene copolymer is tailored for light blow moulded containers that require:

- · Excellent stiffness
- · Exceptional processability

Typical blow moulded applications for HHM 5502BN include:

- · Household chemicals
- · Industrial chemicals
- Pharmaceuticals
- Toolboxes
- Furniture

· I difficult			
General			
Material Status	Commercial: Active		
Literature ¹	Technical Datasheet (English)		
Search for UL Yellow Card	 Marlex® 		
Availability	 Africa & Middle East 	 Asia Pacific 	Europe
Features	CopolymerFood Contact Acceptable	Good ProcessabilityGood Stiffness	Hexene ComonomerHigh Molecular Weight
Uses	Blow Molding ApplicationsContainersFurniture	 Household Goods Industrial Containers Pharmaceuticals	Tool/Tote Box
Agency Ratings	ASTM D 4976-PE235DMF Unspecified Rating	EU No 10/2011FDA 21 CFR 177.1520(c) 3.2a	
Forms	 Pellets 		
Processing Method	Blow Molding		

Nominal Value (English)	Nominal Value (SI)	Test Method
0.955 g/cm ³	0.955 g/cm ³	ASTM D1505
0.35 g/10 min	0.35 g/10 min	ASTM D1238
		ASTM D1693B
35.0 hr	35.0 hr	
Nominal Value (English)	Nominal Value (SI)	Test Method
3920 psi	27.0 MPa	ASTM D638
		ASTM D638
600 %	600 %	
199000 psi	1370 MPa	ASTM D790
Nominal Value (English)	Nominal Value (SI)	Test Method
		ASTM D2240
63	63	
Nominal Value (English)	Nominal Value (SI)	Test Method
		ASTM D648
174 °F	79.0 °C	
< -103 °F	< -75.0 °C	ASTM D746A
	0.955 g/cm³ 0.35 g/10 min 35.0 hr Nominal Value (English) 3920 psi 600 % 199000 psi Nominal Value (English) 63 Nominal Value (English)	0.955 g/cm³ 0.955 g/cm³ 0.35 g/10 min 0.35 g/10 min 35.0 hr 35.0 hr Nominal Value (English) Nominal Value (SI) 3920 psi 27.0 MPa 600 % 600 % 199000 psi 1370 MPa Nominal Value (English) Nominal Value (SI) 63 63 Nominal Value (English) Nominal Value (SI) 174 °F 79.0 °C

Additional Information

The physical properties were determined on compression moulded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.



Form No. TDS-224135-en

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Notes

- ¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.
- ² Typical properties: these are not to be construed as specifications.
- ³ Type IV, 2.0 in/min (51 mm/min)
- ⁴ 0.50 in/min (13 mm/min)
- 5 16:1 span:depth
- ⁶ Type I specimen

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PROSPECTOR®

www.ulprospector.com

Where to Buy

Supplier

Saudi Polymers Company
Jubail Industrial City, Saudi Arabia
Telephone: +966-3-356-8222 Web: http://www.saudipolymers.com/

Distributor

Please contact the supplier to find a distributor for Marlex® HHM 5502BN



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