HIPLEX® HHM 5502

High Density Polyethylene

HIP-PetroHemija

PROSPECTOR®

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Technical Data

Product Description

HIPLEX® HHM 5502, copolymer of ethylene and hexene, with medium molecular weight and medium molecular weight distribution, is blow moulding grade for production of small and medium size containers.

HIPLEX® HHM 5502 has good rigidity, hardness, impact strength, environmental stress cracking resistance, and excellent processability.

HIPLEX®HHM 5502 is suitable for production of small and medium size containers for packaging of bleach, chemicals and most of detergents. It is not recommended for heavy-duty detergents.

HIPLEX® HHM 5502 has Health Certificate issued by Institute for Health Protection of Serbia. Also, HIPLEX®HHM 5502 has Statement of Conformity, which declares product's conformity with the European norms for materials intended to come into contact with foodstuffs. Statement of Conformity is issued by Institute for Public Health, Maribor, Slovenia.

General

Material Status	• Commercial: Active		
Literature [1]	• Technical Datasheet (English)		
Availability	• Asia Pacific	• Europe	
Features	• Copolymer • Good Impact Resistance • Good Processability • Hexene Comonomer	• High ESCR (Stress Crack Resist.) • High Hardness • High Rigidity • Med.-Wide Molecular Weight Distrib.	• Medium Molecular Weight • Recyclable Material
Uses	• Blow Molding Applications	• Blown Containers	
Agency Ratings	• EC 1907/2006 (REACH)		
Forms	• Pellets		
Processing Method	• Blow Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.955 g/cm³	0.955 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35 g/10 min	0.35 g/10 min	ISO 1133
Environmental Stress-Cracking Resistance			ISO 22088
Condition B, F50	> 40.0 hr	> 40.0 hr	
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Stress			ISO 527-2
Yield	3920 psi	27.0 MPa	
Break	4060 psi	28.0 MPa	
Tensile Strain (Break)	800 %	800 %	ISO 527-2
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact	1.5 ft·lb/in	80 J/m	ISO 180
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Shore Hardness (Shore D)	65	65	ISO 868
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Vicat Softening Temperature	261 °F	127 °C	ISO 306
Additional Information	**Nominal Value (English)**	**Nominal Value (SI)**	
Blow Molding Temperature	338 to 401 °F	170 to 205 °C	

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.

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Where to Buy

Supplier

HIP-PetroHemija
, Serbia
Telephone: +381-13-307-132
Web: http://www.hip-petrohemija.com

Distributor

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

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