

HIPLEX® HHM 5502

High Density Polyethylene

HIP-PetroHemija

Message:

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 Information			
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	Unit	Test Method
Density	0.955	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (Condition B, F50)	> 40.0	hr	ISO 22088
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	27.0	MPa	
Break	28.0	MPa	


Tensile Strain (Break)	800	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ISO 306
Additional Information	Nominal Value	Unit	
Blow Molding Temperature	170 to 205	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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