

HIPLEX® HXM 45060

High Density Polyethylene

HIP-PetroHemija

Message:

HIPLEX® HXM 45060 is copolymer of ethylene and hexane, with extra high molecular weight and broad molecular weight distribution and very good processability. It is material with outstanding environmental stress cracking resistance, good creep strength and very good impact resistance. It may be in granular or powdered form.

General Information			
Features	Copolymer Good Creep Resistance Good Processability Hexene Comonomer High ESCR (Stress Crack Resist.) High Impact Resistance High Molecular Weight Med.-Wide Molecular Weight Distrib.		
Uses	Fuel Tanks Industrial Containers Tanks		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Granules Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.945	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	6.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	> 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	64		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	22.0	MPa	
Break	35.0	MPa	
Tensile Strain (Break)	800	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ISO 306/A

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Recommended distributors for this material

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