HIPLEX® HUM 45010

High Density Polyethylene

HIP-PetroHemija

Message:

HIPLEX[®] HUM 45010, copolymer of ethylene and hexene, with ultra high molecular weight and medium molecular weight distribution, is specially tailored for production of technical parts.

HIPLEX[®] HUM 45010 has very high wear resistance, very good sliding behaviour and high impact resistance even at low temperature. HIPLEX[®] HUM 45010 is in granular form.

General Information				
Features	Copolymer			
	Good Processability			
	Good Wear Resistance			
	Hexene Comonomer			
	High Impact Resistance			
	Low Temperature Impact Resistance			
	Machinable			
	MedWide Molecular Weight Distrib.			
	Recyclable Material			
	Ultra High Molecular Weight			
Uses	Engineering Parts			
	Piping			
	Rods			
	Sheet			
Agency Ratings	EC 1907/2006 (REACH)			
Forms	Granules			
Processing Method	Extrusion			
Physical	Nominal Value	Unit	Test Method	
Density	0.949	g/cm³	ISO 1183/D	
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	< 1.0	g/10 min	ISO 1133	
Environmental Stress-Cracking Resistance				
(F50)	> 1000	hr	ASTM D1693B	
Hardness	Nominal Value	Unit	Test Method	
Shore Hardness (Shore D)	66		ISO 868	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Stress			ISO 527-2	
Yield	38.0	МРа		
Break	22.0	MPa		
Tensile Strain (Break)	750	%	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	128	°C	ISO 306
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 220	°C	

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Recommended distributors for this material

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