

HIPLEX® HMN 6050

High Density Polyethylene
HIP-PetroHemija

Message:

HIPLEX® HMN 6050, copolymer of ethylene and hexene, is injection moulding grade with very good impact strength, good rigidity and hardness. The injection moulding parts fabricated from this grade have outstanding surface appearance.

General Information			
Features	Copolymer		
	Good Impact Resistance		
	Hexene Comonomer		
	High Hardness		
	High Rigidity		
	Pleasing Surface Appearance		
Uses	Crates		
	General Purpose		
	Household Goods		
	Support Trays		
	Toys		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	10.0	hr	ASTM D1693
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	22.0	MPa	
Tensile Strain (Break)	360	%	ISO 527-2
Flexural Modulus	1230	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	45	J/m	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ISO 306/A

Injection	Nominal Value	Unit
Processing (Melt) Temp	190 to 240	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

