



PASARGAD POLYMER PEYVAND CO

Grade : Pasamid 3P-H1145B

General

Manufacturer / Supplier	Pasargad Polymer Peyvand Co.(3P)
Generic Symbol	Polyamide 6 (Nylon 6)
Filler / Reinforcement	Reinforced by 45% Glass Fiber
Color	Black
Forms	Pellets
Processing Method	Injection Molding
Uses	Automotive Application Furniture Appliance Components Electrical Parts Fastener Housing

Physical		Unit	Value
Density	ISO 1183	g/cm3	1.5

Mechanical	Test Method	Unit	Value
Tensile Modulus	ISO 527-2	Mpa	9000
Tensile Stress (Break)	ISO 527-2	Mpa	170
Tensile Strain (Break)	ISO 527-2	%	2

Impact	Test Method	Unit	Value
Charpy Notched Impact Strength 23 oC	ISO 179/1eA	KJ/m2	12
Charpy Unnotched Impact Strength 23 oC	ISO 179/1eU	KJ/m2	90

Thermal	Test Method	Unit	Value
Heat Deflection Temperature 1.8 Mpa, Unannealed	ISO 75-2/C	oC	229
Melting Temperature	ISO 11357-3	oC	220

Injection	Nominal Value	Unit
Drying Temperature	90	
Drying Time	2-4 hr	
Rear Temperature	235-275	

Pasargad Polymer Peyvand

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