

SHOKAMID SH 2120GF

Polyamide 6



General					
Manufacturer / Supplier	SHORAKA SEGANEH Co.				
Generic Symbol	Nylon 6				
Filler / Reinforcement	Glass Fiber Reinforcement, 20% Filler by Weight				
Forms	Pellets				
Processing Method	Injection Molding				
Uses	Automotive Application Furniture Electrical Parts Industrial Applications				
Physical		Unit	Dry	Conditioned	
Density	ASTM D792	g/cm ³	1.27	---	
Mechanical		Test Method	Unit	Dry	Conditioned
Tensile Modulus	ASTM D638	Mpa	7000	5500	
Tensile Stress (Break)	ASTM D638	Mpa	110	130	
Tensile Strain (Break)	ASTM D638	%	3	3.2	
Impact		Test Method	Unit	Dry	Conditioned
Charpy Notched Impact Strength	ASTM D256	-30 oC	KJ/m ²	---	---
		23 oC	KJ/m ²	11	13
Charpy Unnotched Impact Strength	ASTM D256	-30 oC	KJ/m ²	25	---
		23 oC	KJ/m ²	55	65
Thermal		Test Method	Unit	Dry	Conditioned
Heat Deflection Temperature	ASTM D648	0.45 Mpa, Unannealed	oC	215	---
		1.8 Mpa, Unannealed	ASTM D648	oC	200
Melting Temperature	DSC	oC	222	---	
Electrical		Test Method	Unit	Dry	Conditioned
Surface Resistivity	IEC 60093	ohms	---	---	
Flammability		Test Method	Unit	Dry	Conditioned
Flame Rating - UL (1.60 mm)	UL 94		---	---	
Injection			Nominal Value	Unit	
Drying Temperature			90.0	oC	
Drying Time			4.0 to 8	hr	
Rear Temperature			225 to 280	oC	

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