

SHOKAMID SH 2130 GF A

Polyamide 6



General					
Manufacturer / Supplier	SHORAKA SEGANEH Co.				
Generic Symbol	Nylon 6				
Filler / Reinforcement	Glass Fiber Reinforcement, 30% Filler by Weight				
Forms	Pellets				
Processing Method	Injection Molding				
Uses	Automotive Application Furniture Electrical Parts Appliance Components Fastener Housings				
Physical		Unit	Dry	Conditioned	
Density	ASTM D792	g/cm ³	1.35	---	
Mechanical		Test Method	Unit	Dry	Conditioned
Tensile Modulus	ASTM D638	Mpa	8500	7000	
Tensile Stress (Break)	ASTM D638	Mpa	135	150	
Tensile Strain (Break)	ASTM D638	%	2.5	3	
Impact		Test Method	Unit	Dry	Conditioned
Charpy Notched Impact Strength	ASTM D256	-30 oC	KJ/m ²	---	---
		23 oC	KJ/m ²	12	16
Charpy Unnotched Impact Strength	ASTM D256	-30 oC	KJ/m ²	60	---
		23 oC	KJ/m ²	70	85
Thermal		Test Method	Unit	Dry	Conditioned
Heat Deflection Temperature 0.45 Mpa, Unannealed	ASTM D648	oC	225	---	
		1.8 Mpa, Unannealed	ASTM D648	oC	215
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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