

# SHOKAMID SH6130 GF

Polyamide 66



General					
Manufacturer / Supplier	SHORAKA SEGANEH Co.				
Generic Symbol	Nylon 66				
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	ISO 1183	g/cm <sup>3</sup>	1.37	---	
Mechanical		Test Method	Unit	Dry	Conditioned
Tensile Stress (Break)	ISO 527-2	Mpa	175	140	
Tensile Strain (Break)	ISO 527-2	%	3	4	
Impact		Test Method	Unit	Dry	Conditioned
Charpy Notched Impact Strength 23 oC	ISO 179/1eA	KJ/m <sup>2</sup>	17	22	
Charpy Unnotched Impact Strength 23 oC	ISO 179/1eU	KJ/m <sup>2</sup>	100	120	
Thermal		Test Method	Unit	Dry	Conditioned
Heat Deflection Temperature 0.45 Mpa, Unannealed	ISO 75-2/B	oC	235	---	
1.8 Mpa, Unannealed	ISO 75-2/C	oC	215	---	
Melting Temperature	ISO 11357-3	oC	255	---	
Electrical		Test Method	Unit	Dry	Conditioned
Surface Resistivity	IEC 60093	ohms	1.0E+14	1.0E+10	
Flammability		Test Method	Unit	Dry	Conditioned
Flame Rating - UL (1.60 mm)	UL 94		HB	---	
Injection			Nominal Value Unit		
Drying Temperature			100.0 oC		
Drying Time			4.0 to 8 hr		
Rear Temperature			235to 300 oC		

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