

SHOKALEN SH 1140

Polypropylene Glass Fiber Reinforced



Product Description

"SHOKALEN" SH 1140 Is a 40% Glass Fiber reinforced polypropylene copolymer for injection moulding. This grade is available in transparent and black, pellet form.

General

Manufacturer / Supplier	SHORAKA SEGANEH Co.
Filler/Reinforced	Glass Fiber Reinforcement, 40% Filler by Weight
Forms	Pellets
Processing Method	Injection Molding
Features	Copolymer Good Stiffness Good Processability
Uses	Automotive Applications Automotive Under the Hood Structural Parts

Physical		Unit	Nominal Value Unit
Density	ISO 1183	g/cm ³	1.21
Melt Mass-Flow Rate (MFR) (230oC/2.16 kg)	ISO 1133	gr/10 min	4

Mechanical	Test Method	Unit	Nominal Value Unit
Tensile Stress (Yield)	ISO 527-2	Mpa	80
Tensile Stress (Break)	ISO 527-2	Mpa	65
Tensile Strain (Break)	ISO 527-2	%	3

Impact	Test Method	Unit	Nominal Value Unit	
Charpy Unnotched Impact Strength	ISO 179/1eA	-20 oC	KJ/m ²	10
		23 oC	KJ/m ²	18
Charpy Notched Impact Strength	ISO 180/4U	-20 oC	KJ/m ²	13
		23 oC	KJ/m ²	30

Thermal	Test Method	Unit	Nominal Value Unit
Heat Deflection Temperature 0.45 Mpa, Unannealed	ISO 75-2/A	oC	156
Melting Temperature	ISO 11357-3	oC	160

Injection	Nominal Value Unit
Rear Temperature	140 to 200 oC

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