

SHOKALEN SH 1120

Polypropylene Glass Fiber Reinforced



Product Description

"SHOKALEN" SH 1120 Is a 20% 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, 20% 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	ASTM D792	g/cm ³	1.05
Melt Mass-Flow Rate (MFR) (230oC/2.16 kg)	ASTM D1238	gr/10 min	5

Mechanical	Test Method	Unit	Nominal Value Unit
Tensile Stress (Yield)	ASTM D638	Mpa	60
Elastic Modulus	ASTM D638	Mpa	
Tensile Strain (Break)	ASTM D638	%	5

Impact	Test Method	Unit	Nominal Value Unit	
Charpy Unnotched Impact Strength	ASTM D256	-20 oC	KJ/m ²	35
		23 oC	KJ/m ²	50
Charpy Notched Impact Strength	ASTM D256	-20 oC	KJ/m ²	3
		23 oC	KJ/m ²	7

Thermal	Test Method	Unit	Nominal Value Unit
Heat Deflection Temperature 0.45 Mpa, Unannealed	ASTM D648	oC	143
Melting Temperature	DSC	oC	160

Injection	Nominal Value Unit
Rear Temperature	140 to 200 oC

Sales Office; 141. Khoramshahr (Apadana) Ave. Tehran, Iran
tel;+98 21 88760011 - 12 fax; +98 21 88764366
Email; Commercial@shorakaseganeh.com

Factory; 111.Azadegan St,SaeedAbad, Tehran, Iran
Tel; +98 021 65605410-14 Fax;+98 021 65602028
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