

SHOKALEN SH 1230

Polypropylene Mineral



Product Description

"SHOKALEN" SH 1230 Is a 30% mineral filled polypropylene homopolymer for injection moulding. This grade is available in transparent and black, pellet forms.

General

Manufacturer / Supplier	SHORAKA SEGANEH Co.
Filler/Reinforced	Mineral Filler, 30% Filler by Weight
Forms	Pellets
Processing Method	Injection Molding
Features	Good Stiffness Good Thermal Stability Good Processability
Uses	Automotive Applications Automotive Under the Hood Structural Parts Household Goods

Physical		Unit	Nominal Value Unit
Density	ASTM D792	g/cm ³	1.14
Melt Mass-Flow Rate (MFR) (230oC/2.16 kg)	ASTM D1238	gr/10 min	4

Mechanical	Test Method	Unit	Nominal Value Unit
Tensile Stress (Yield)	ASTM D638	Mpa	2200
Tensile Stress (Break)	ASTM D638	Mpa	29
Tensile Strain (Break)	ASTM D638	%	15

Impact	Test Method	Unit	Nominal Value Unit	
Charpy Unnotched Impact Strength	ASTM D256	-20 oC	KJ/m ²	0
		23 oC	KJ/m ²	70
Charpy Notched Impact Strength	ASTM D256	-20 oC	KJ/m ²	5
		23 oC	KJ/m ²	8

Hardness	Test Method	Unit	Nominal Value Unit
Ball Indentation Hardness (H 358/30)	ASTM D	Mpa	85

Thermal	Test Method	Unit	Nominal Value Unit
Heat Deflection Temperature 1.8 Mpa, Unannealed	ASTM D648	oC	100
Melting Temperature	DSC	oC	160

Injection	Nominal Value Unit
Rear Temperature	140 to 200 oC

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