

SHOKAMID SH 2215 Mineral A

Polyamide 6



General	
Manufacturer / Supplier	SHORAKA SEGANEH Co.
Generic Symbol	Nylon 6
Filler / Reinforcement	Mineral Filler, 15% Filler by Weight
Forms	Pellets
Processing Method	Injection Molding
Uses	Automotive Application Electrical Parts

Physical		Unit	Dry	Conditioned
Density	ISO 1183	g/cm ³	1.23	---
Water Absorption	ISO 62			
Saturation, 23oC		%	8	---
Equilibrium, 23oC, 50% RH		%	2.6	---

Mechanical	Test Method	Unit	Dry	Conditioned
Tensile Modulus	ISO 527-2	Mpa	4200	
Tensile Stress (Break)	ISO 527-2	Mpa	75	
Tensile Strain (Break)	ISO 527-2	%	6	

Impact	Test Method	Unit	Dry	Conditioned
Charpy Notched Impact Strength	ISO 179/1eA			
-30 oC		KJ/m ²	6	---
23 oC		KJ/m ²	8	10
Charpy Unnotched Impact Strength	ISO 179/1eU			
-30 oC		KJ/m ²	70	---
23 oC		KJ/m ²	120	NO Break

Thermal	Test Method	Unit	Dry	Conditioned
Heat Deflection Temperature				
0.45 Mpa, Unannealed	ISO 75-2/B	oC	165	---
1.8 Mpa, Unannealed	ISO 75-2/C	oC	70	---
Melting Temperature	ISO 3146	oC	222	---

Electrical	Test Method	Unit	Dry	Conditioned
Surface Resistivity	IEC 60093	ohms	1.0E+15	1.0E+12

Flammability	Test Method	Unit	Dry	Conditioned
Flame Rating - UL (1.60 mm)	UL 94		HB	---

Injection	Nominal Value	Unit
Drying Temperature	90.0	oC
Drying Time	4.0 to 8	hr
Rear Temperature	225 to 280	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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