

Technical Data Sheet

Schulamid 66 GF35 H BLK968001

Polyamide 66

Product Description

35 % glass fibre reinforced PA 66, heat stabilized, recycled grade

Processing Method	Injection Molding
Attribute	Heat Stabilized
Filler/Reinforcement	Glass Fiber, 35%
Resin ID	PA66-GF35

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density, (Method A)	1.41	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break, (Type 1A, 5 mm/min)	2.0	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 5 mm/min)	150	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	11500	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	6.0	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	32	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	>250	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	235	°C	ISO 75-2/A

Injection Parameters	Nominal Value	Units
Drying Time	3.0 to 4.0	hr
Drying Temperature	80	°C
Suggested Max Moisture	0.040 to 0.10	%
Processing (Melt) Temp	280 to 300	°C
Mold Temperature	60 to 120	°C