

Technical Data Sheet

Schulamid 6 GF30 H NKZ89177 202B BLK



Polyamide 6

Product Description

Schulamid 6 GF30 H NKZ89177 202B BLK is a Polyamide 6 Glass Fiber, 30% filled material and is typically used in Injection

Molding applications. Features include: Good Toughness, Heat Aging Resistant, High Stiffness, and Oil Resistant.

Processing Method	Injection Molding
Attribute	Good Heat Aging Resistance; Good Toughness; High Stiffness; Oil Resistant
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density, (Method A)	1.35	g/cm ³	ISO 1183
Viscosity Number	145	cm ³ /g	ISO 307
Mechanical			
Tensile Strain at Break, (Type 1A, 5 mm/min)	2.5	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 5 mm/min)	140	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	9500	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	6	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	50	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	220	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	205	°C	ISO 75-2/A

Injection Parameters	Nominal Value	Units
Drying Time	3.0 to 4.0	hr
Drying Temperature, (Desiccant Dryer)	80	°C
Suggested Max Moisture	0.040 to 0.10	%
Processing (Melt) Temp	250 to 280	°C
Mold Temperature	60 to 100	°C