

Technical Data Sheet

Schulamid 6GF30HIHE LS BWN963221



Polyamide 6

Product Description

30% glass fiber reinforced PA 6, heat stabilized, impact modified, UV stabilized

Processing Method	Injection Molding
Attribute	Heat Stabilized; Impact Modified
Additive	Heat Stabilizer; Impact Modifier; UV Stabilizer
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density, (Method A)	1.30	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break, (Type 1A, 5 mm/min)	4.0	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 5 mm/min)	90.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	7000	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	20	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	60	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	180	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
Surface Resistivity	>1.0E+15	ohm	IEC 60093
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795

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	250 to 280	°C
Mold Temperature	60 to 100	°C