

Technical Data Sheet

Schulamid 66 GF7 HR NAT

Polyamide 66

Product Description

7% glass fiber reinforced PA 66, hydrolysis stabilized

Processing Method	Injection Molding
Additive	Hydrolysis Resistant
Filler/Reinforcement	Glass Fiber, 7.0%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density, (Method A)	1.18	g/cm ³	ISO 1183
Viscosity Number	155	cm ³ /g	ISO 307
Mechanical			
Tensile Strain at Break, (Type 1A, 5 mm/min)	3.5	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 5 mm/min)	110	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	4500	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	7.0	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	46	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	248	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	211	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
Comparative Tracking Index (CTI)	450	V	IEC 60112
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
Glow Wire Flammability Index	650	°C	IEC 60695-2-12
UL Information			
Flammability Classification, (0.75 mm)	HB		IEC 60695-11-10, -20

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