

## Technical Data Sheet

### Schulamid 66 GF43 H NAT I



Polyamide 66

#### Product Description

43% glass fiber reinforced, Polyamid 66

**Processing Method** Injection Molding

**Filler/Reinforcement** Glass Fiber, 43%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Volume Flow Rate, (275 °C/5.0 kg)	25	cm <sup>3</sup> /10 min	ISO 1133
Density, (Method A)	1.49	g/cm <sup>3</sup>	ISO 1183
Viscosity Number	145	cm <sup>3</sup> /g	ISO 307
<b>Mechanical</b>			
Tensile Strain at Break, (Type 1A, 5 mm/min)	3.0	%	ISO 527-2
Flexural Modulus, (2.0 mm/min)	12200	MPa	ISO 178
Tensile Stress at Break, (Type 1A, 5 mm/min)	215	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	13500	MPa	ISO 527-1
Flexural Stress			
(2.0 mm/min, 3.5%)	325	MPa	ISO 178
(2.0 mm/min, 4.0%)	335	MPa	ISO 178
(2.0 mm/min, 4.0%)	330	MPa	ISO 178
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	15	kJ/m <sup>2</sup>	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	10	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	No Break		ISO 179
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	>250	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	>250	°C	ISO 75-2/A
<b>Flammable</b>			
Burning Rate			
(2.00 mm)	30	mm/min	FMVSS 302
(2.00 mm)	30	mm/min	ISO 3795
<b>Injection Parameters</b>			
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	