

Technical Data Sheet

Schulamid 6 GF15 H K1432 BLK968148



Polyamide 6

Product Description

15% glass fiber reinforced PA 6, heat stabilized

Processing Method	Injection Molding
Attribute	Heat Stabilized
Additive	Heat Stabilizer
Filler/Reinforcement	Glass Fiber, 15%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density, (Method A)	1.24	g/cm ³	ISO 1183
Mechanical			
Flexural Strain at Flexural Strength	4.8	%	ISO 178
Tensile Strain at Break			
(Type 1A, 5 mm/min)	2.3	%	ISO 527-2
(Type 1A, 5 mm/min) - Conditioned	23	%	ISO 527-2
Flexural Modulus	4500	MPa	ISO 178
Tensile Stress at Break			
(Type 1A, 5 mm/min)	100	MPa	ISO 527-2
(Type 1A, 5 mm/min) - Conditioned	55.0	MPa	ISO 527-2
Tensile Modulus			
(1 mm/min, Type 1A)	5400	MPa	ISO 527-1
(1 mm/min, Type 1A) - Conditioned	3100	MPa	ISO 527-1
Flexural Stress	160	MPa	ISO 178
Impact			
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	30	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise)	28	kJ/m ²	ISO 179
(23 °C, Type 1, Edgewise) - Conditioned	No Break		ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	212	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	194	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
Additional Information			
Water Absorption 23C/50RH	2.3	%	ISO 62