Technical Data Sheet

Schulamid 66 MT15 HI GRY967857

Polyamide 66

Product Description

15% mineral reinforced PA66, impact modified

Processing Method	Injection Molding
Attribute	Impact Modified
Filler/Reinforcement	Mineral, 15%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate	64	cm³/10 min	ISO 1133
Density, (Method A)	1.26	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield			
(Type 1A, 50 mm/min)	64.0	MPa	ISO 527-2
(Type 1A, 50 mm/min) - Conditioned	45.0	MPa	ISO 527-2
Tensile Strain at Yield			
(Type 1A, 50 mm/min)	130	%	ISO 527-2
(Type 1A, 50 mm/min) - Conditioned	31	%	ISO 527-2
Tensile Modulus			
(1 mm/min, Type 1A)	2900	MPa	ISO 527-1
(1 mm/min, Type 1A) - Conditioned	1200	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	14	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	7.0	kJ/m²	ISO 179
(23 °C, Type 1, Edgewise, Notch A) - Conditioned	25	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	No Break		ISO 179
(23 °C, Type 1, Edgewise) - Conditioned	No Break		ISO 179
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	230	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	200	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	70.0	°C	ISO 75-2/A
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	280 to 300	°C
Mold Temperature	60 to 120	°C