Technical Data Sheet

Schulamid 66 MV HI H4 K2300 BLK968001

Polyamide 66

Product Description

Impact modified PA 66, heat stabilized, electrically neutral and hot oil resistant

Processing Method	Injection Molding
Resin ID	PA66-I

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density, (Method A)	1.10	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	62.0	MPa	ISO 527-2
Nominal Tensile Strain at Break, (50 mm/min, Type 1A)	16	%	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	4.2	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 50 mm/min)	47.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	2450	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	38	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	18	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
Hardness			
Ball Indentation Hardness, (H 358/30)	125	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	210	°C	ISO 306
(A (10N), 50 °C/h)	>250	°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)	62.0	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	30	mm/min	FMVSS 302
(2.00 mm)	30	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	270 to 290	°C
Mold Temperature	60 to 100	°C