

Technical Data Sheet

**Schulamid 66 MV HI H4 K2300 NAT**



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
<b>Physical</b>			
Density, (Method A)	1.10	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	38	kJ/m <sup>2</sup>	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	18	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>Hardness</b>			
Ball Indentation Hardness, (H 358/30)	125	MPa	ISO 2039-1
<b>Thermal</b>			
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
<b>Flammable</b>			
Burning Rate			
(2.00 mm)	30	mm/min	ISO 3795
(2.00 mm)	30	mm/min	FMVSS 302
<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	270 to 290	°C	
Mold Temperature	60 to 100	°C	