

Schulamid 66 MV HI HH K2300

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description

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

General

Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PAM 66 HI

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.10 g/cm ³	1.10 g/cm ³	ISO 1183/A
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	355000 psi	2450 MPa	ISO 527-1/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	8990 psi	62.0 MPa	
Break	6820 psi	47.0 MPa	
Tensile Strain (Yield)	4.2 %	4.2 %	ISO 527-2/1A/50
Nominal Tensile Strain at Break	16 %	16 %	ISO 527-2/1A/50
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	8.6 ft·lb/in ²	18 kJ/m ²	
73°F (23°C)	18 ft·lb/in ²	38 kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F (-30°C)	No Break	No Break	
73°F (23°C)	No Break	No Break	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Ball Indentation Hardness (H 358/30)	18100 psi	125 MPa	ISO 2039-1
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	392 °F	200 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	144 °F	62.0 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	410 °F	210 °C	ISO 306/B50
--	> 482 °F	> 250 °C	ISO 306/A50
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 In (2.00 Mm)	1.2 in/min	30 mm/min	ISO 3795
0.0787 In (2.00 Mm)	1.2 in/min	30 mm/min	FMVSS 302

Additional Information

- 1.) Not for use in food contact applications
- 2.) Not for use in medical or pharmaceutical applications



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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	518 to 554 °F	270 to 290 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

Notes

These are typical property values not to be construed as specification limits.

