

Schulamid 66 MV HI H5

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description

High impact modified Polyamide 66, heat stabilization

General

Processing Method • Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.09 g/cm ³	1.09 g/cm ³	ISO 1183/A
Viscosity Number			ISO 307
96% H ₂ SO ₄ (sulphuric Acid)	150 cm ³ /g	150 cm ³ /g	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	300000 psi	2070 MPa	ISO 527-1/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	6530 psi	45.0 MPa	
Break	6670 psi	46.0 MPa	
Tensile Strain (Yield)	4.8 %	4.8 %	ISO 527-2/1A/50
Nominal Tensile Strain at Break	26 %	26 %	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)	11 ft·lb/in ²	23 kJ/m ²	
73°F (23°C)	38 ft·lb/in ²	80 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	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	376 °F	191 °C	ISO 306/B50

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.

