Technical Data Sheet

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/cm³	1.09 g/cm³	ISO 1183/A
Viscosity Number			ISO 307
96% H2so4 (sulphuric Acid)	150 cm³/g	150 cm³/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/in²	23 kJ/m²	
73°f (23°c)	38 ft·lb/in²	80 kJ/m²	
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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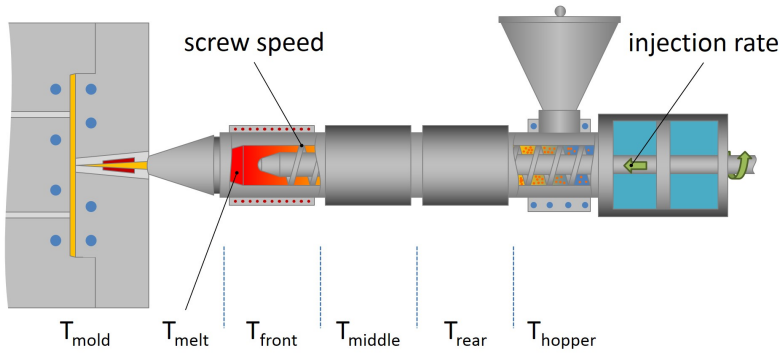

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	518 to 554 °F	270 to 290 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

Notes

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