Technical Data Sheet

LyondellBasell

Schulamid 66 MV HI H5

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description	
High impact modified Polyamide 66, heat stabilization	
General	
Material Status	• Commercial: Active
Availability	• Europe
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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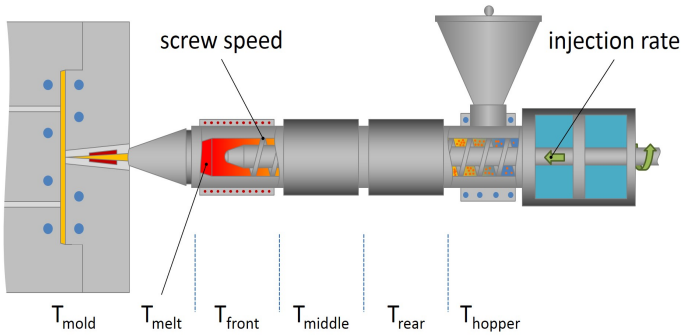

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	518 to 554 °F	270 to 290 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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