

Technical Data Sheet

**Schulamid 6 MV HI K2513**

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description

Impact modified polyamide 6 compound

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Impact Modified		
Processing Method	• Extrusion	• Injection Molding	
Resin ID (ISO 1043)	• PA6-I		

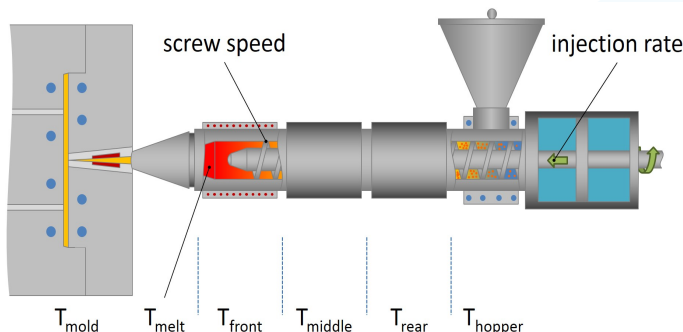
Physical	Dry	Conditioned	Unit	Test Method
Density	1.12	--	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/2.16 kg)	15	--	cm ³ /10min	ISO 1133
Water Absorption				ISO 62
Equilibrium, 73°F (23°C), 50% RH	2.8	--	%	
Viscosity Number	155	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	363000 (2500)	102000 (700)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Yield)	10300 (71.0)	5220 (36.0)	psi (MPa)	ISO 527-2/1A/50
Tensile Strain (Yield)	5.0	24	%	ISO 527-2/1A/50
Flexural Modulus	392000 (2700)	--	psi (MPa)	ISO 178
Flexural Stress	12300 (85.0)	--	psi (MPa)	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	3.3 (7.0)	--	ft·lb/in ² (kJ/m ²)	
73°F (23°C)	4.8 (10)	55 (120)	ft·lb/in ² (kJ/m ²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	27 (56)	--	ft·lb/in ² (kJ/m ²)	
73°F (23°C)	No Break	No Break		
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate				
0.0787 in (2.00 mm)	< 3.9 (< 100)	--	in/min (mm/min)	ISO 3795
0.0787 in (2.00 mm)	< 3.9 (< 100)	--	in/min (mm/min)	FMVSS 302

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Injection	Dry (English)	Dry (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	482 to 518 °F	250 to 270 °C
Mold Temperature	140 to 194 °F	60 to 90 °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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