Technical Data Sheet

Schulamid 6 MV HI K2513

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description
Impact modified polyamide 6 compound

General		
Features	• Impact Modified	
Processing Method	• Extrusion	• Injection Molding
Resin ID (ISO 1043)	• PA6-I	

Physical	Dry	Conditioned	Unit	Test Method
Density	1.12	--	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°c/2.16 Kg)	15	--	cm³/10min	ISO 1133
Water Absorption				ISO 62
Equilibrium, 73°f (23°c), 50% Rh	2.8	--	%	
Viscosity Number	155	--	cm³/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/in² (kJ/m²)	
73°f (23°c)	4.8 (10)	55 (120)	ft·lb/in² (kJ/m²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°f (-30°c)	27 (56)	--	ft·lb/in² (kJ/m²)	
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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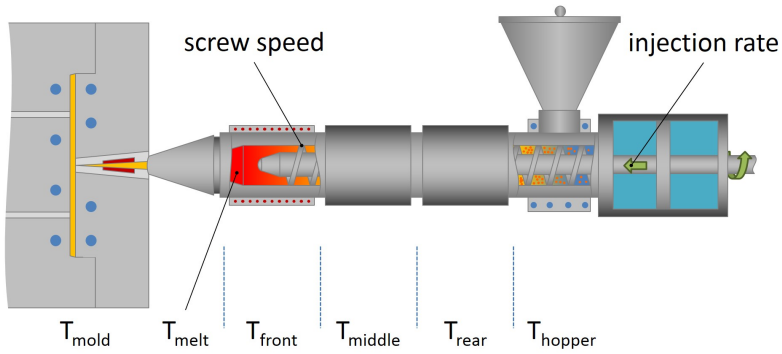

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	482 to 518 °F	250 to 270 °C
Mold Temperature	140 to 194 °F	60 to 90 °C

Notes

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