Technical Data Sheet

Schulamid 6 MV HI K1207

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description
PA 6, impact modified

General	
Additive	• Impact Modifier
Features	• Impact Modified
Processing Method	• Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.05	--	g/cm³	ISO 1183/A
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	247000 (1700)	--	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Yield)	6530 (45.0)	--	psi (MPa)	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	--	%	ISO 527-2/1A/50
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°f (23°c))	29 (61)	--	ft·lb/in² (kJ/m²)	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
73°f (23°c)	No Break	--		
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	338 (170)	--	°F (°C)	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	156 (69.0)	--	°F (°C)	ISO 75-2/Af
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	> 1.0E+15	--	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	1.0E+10	ohms·m	IEC 62631-3-1
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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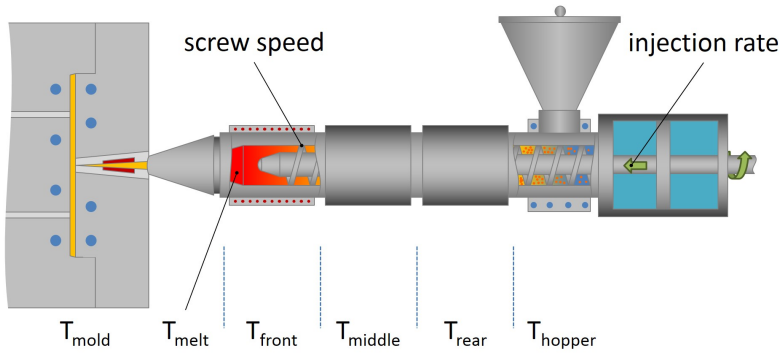

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	482 to 518 °F	250 to 270 °C
Mold Temperature	140 to 194 °F	60 to 90 °C

Notes

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