Technical Data Sheet

Schulamid 6 GF 15 SHI K2384

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description
15% glass fibre reinforced PA 6, impact modified

General	
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Processing Method	• Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.20	--	g/cm³	ISO 1183/A
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	457000 (3150)	167000 (1150)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	6960 (48.0)	3920 (27.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	15	43	%	ISO 527-2/1A/5
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-22°f (-30°c)	3.6 (7.5)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	8.6 (18)	17 (35)	ft·lb/in² (kJ/m²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°f (-30°c)	43 (90)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	33 ft·lb/in² (70 kJ/m²)	No Break	(kJ/m²)	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				ISO 75-2/Af
264 Psi (1.8 Mpa), Unannealed	246 (119)	--	°F (°C)	
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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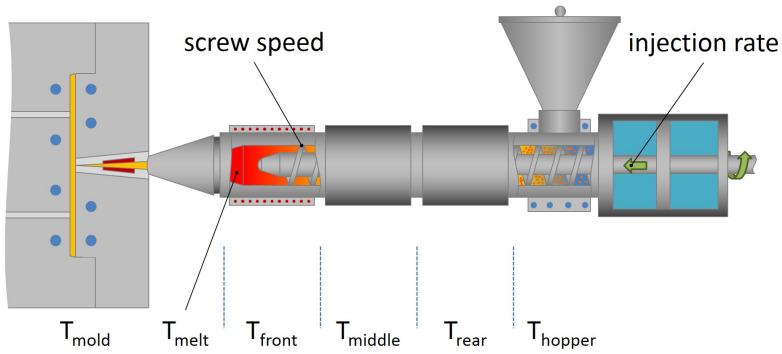

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	482 to 536 °F	250 to 280 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

Notes

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