Technical Data Sheet

Schulamid 6 RBL 3000 BLACK

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description
30% glass fiber reinforced PA 6, Recycled Grade

General	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Processing Method	• Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm³	ISO 1183/A
Viscosity Number	139	--	cm³/g	ISO 307
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	1.38E+6 (9500)	899000 (6200)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	23200 (160)	13800 (95.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	2.5	6.7	%	ISO 527-2/1A/5
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)	4.3 (9.0)	7.1 (15)	ft·lb/in² (kJ/m²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°f (-30°c)	23 (48)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	26 (55)	33 (70)	ft·lb/in² (kJ/m²)	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	424 (218)	--	°F (°C)	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	396 (202)	--	°F (°C)	ISO 75-2/Af
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

Additional Information
1.) Not for use in food contact applications

2.) Not for use in medical or pharmaceutical applications

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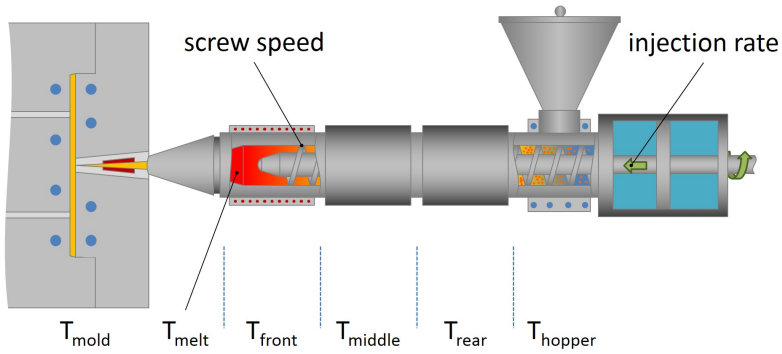

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	482 to 536 °F	250 to 280 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

Notes

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