Technical Data Sheet

Schulamid 6 GB 30 H

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description
30% glass bead filled PA 6

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

Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm³	ISO 1183/A
Viscosity Number	145	--	cm³/g	ISO 307
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	653000 (4500)	261000 (1800)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	11600 (80.0)	7250 (50.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	8.0	12	%	ISO 527-2/1A/5
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-22°f (-30°c)	1.9 (4.0)	1.9 (4.0)	ft·lb/in² (kJ/m²)	
73°f (23°c)	2.9 (6.0)	6.7 (14)	ft·lb/in² (kJ/m²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°f (-30°c)	13 (28)	17 (35)	ft·lb/in² (kJ/m²)	
73°f (23°c)	14 (30)	21 (45)	ft·lb/in² (kJ/m²)	
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	23900 (165)	--	psi (MPa)	ISO 2039-1
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	356 (180)	--	°F (°C)	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	158 (70.0)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	392 (200)	--	°F (°C)	ISO 306/B50
--	410 (210)	--	°F (°C)	ISO 306/A120
Ball Pressure Test (221°f (105°c))	Pass	--		IEC 60695-10-2

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Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+15	--	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	--	ohms·m	IEC 62631-3-1
Comparative Tracking Index	450	--	V	IEC 60112
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Burning Rate				
0.0787 In (2.00 Mm)	3.1 (80)	--	in/min (mm/min)	ISO 3795
0.0787 In (2.00 Mm)	3.1 (80)	--	in/min (mm/min)	FMVSS 302
Flammability Classification				IEC 60695-11-10, -20
0.06 In (1.5 Mm)	HB	--		
Glow Wire Flammability Index	1200 (650)	--	°F (°C)	IEC 60695-2-12

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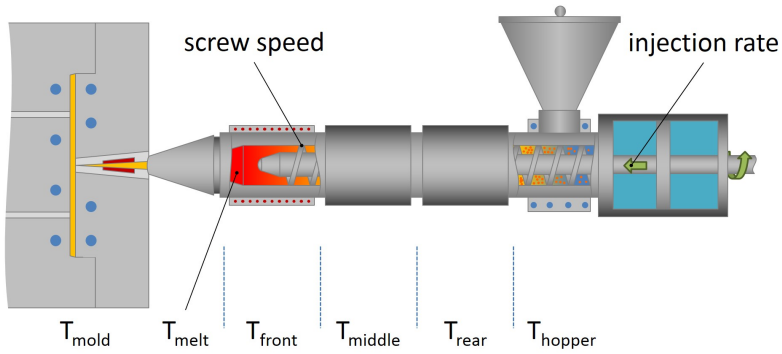

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	482 to 536 °F	250 to 280 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

Notes

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