Technical Data Sheet

Schulamid 6 GF 30 H K1432

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description	
30% glass fiber reinforced PA 6, heat stabilized	

General	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized
Processing Method	• Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm³	ISO 1183/A
Viscosity Number	145	--	cm³/g	ISO 307
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	1.28E+6 (8800)	725000 (5000)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	23200 (160)	14500 (100)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	3.5	8.0	%	ISO 527-2/1A/5
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-22°f (-30°c)	4.3 (9.0)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	6.7 (14)	14 (30)	ft·lb/in² (kJ/m²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°f (-30°c)	29 (60)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	40 ft·lb/in² (85 kJ/m²)	No Break	(kJ/m²)	
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	29000 (200)	--	psi (MPa)	ISO 2039-1
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	419 (215)	--	°F (°C)	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	392 (200)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature	410 (210)	--	°F (°C)	ISO 306/B50
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

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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
Glow Wire Flammability Index	1200 (650)	--	°F (°C)	IEC 60695-2-12

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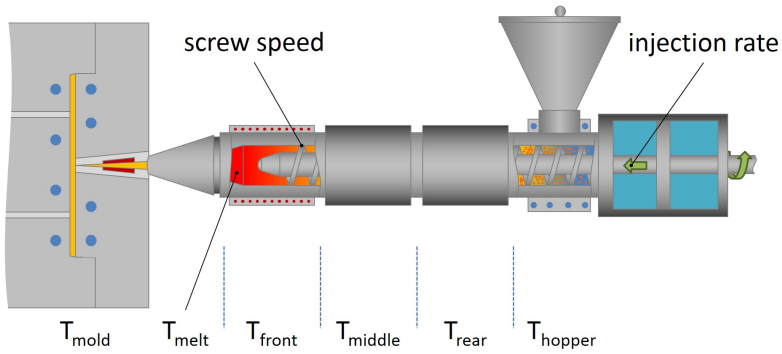

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	482 to 536 °F	250 to 280 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

Notes

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