Technical Data Sheet

Schulamid 6 MT 30

Polyamide 6
LyondellBasell Industries
Engineering Plastics

Product Description	
30% talc filled Polyamide 6	

General		
Filler / Reinforcement	• Talc, 30% Filler by Weight	
Features	• Good Surface Finish • Low Warpage	• Medium Viscosity • Oil Resistant
Automotive Specifications	• GM QK 002821 Color: 96.8001 Black	
Processing Method	• Injection Molding	
Resin ID (ISO 1043)	• PA6-T30	

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	943000 (6500)	479000 (3300)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Break)	10600 (73.0)	6530 (45.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	15	%	ISO 527-2/1A/5
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-22°f (-30°c)	1.4 (3.0)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	1.9 (4.0)	3.8 (8.0)	ft·lb/in² (kJ/m²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°f (-30°c)	14 (30)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	19 (40)	29 (60)	ft·lb/in² (kJ/m²)	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	392 (200)	--	°F (°C)	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	212 (100)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	392 (200)	--	°F (°C)	ISO 306/B50
--	419 (215)	--	°F (°C)	ISO 306/A50
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Burning Rate				
0.0787 In (2.00 Mm)	1.9 (48)	--	in/min (mm/min)	ISO 3795
0.0787 In (2.00 Mm)	1.9 (48)	--	in/min (mm/min)	FMVSS 302

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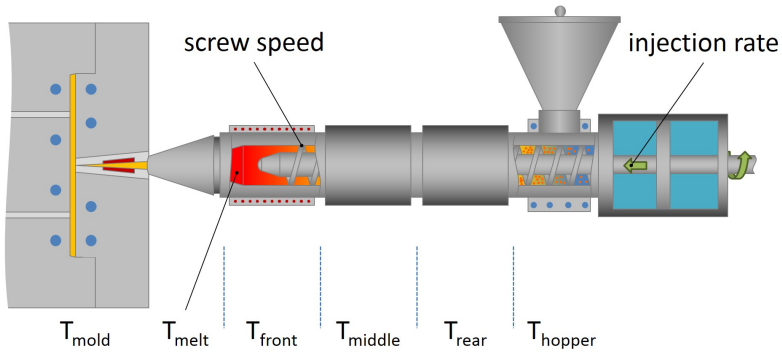

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	482 to 536 °F	250 to 280 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

Notes

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