Technical Data Sheet

Schulatec PPS GF 30

Polyphenylene Sulfide
LyondellBasell Industries
Engineering Plastics

Product Description
30% glass fiber reinforced PPS

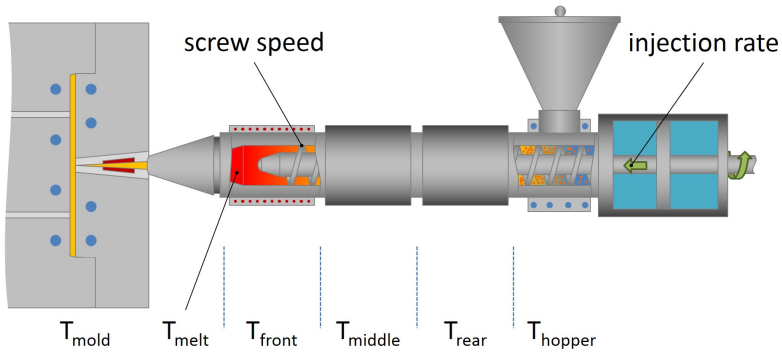
General	
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.55 g/cm³	1.55 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (300°c/5.0 Kg)	45 cm³/10min	45 cm³/10min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	1.60E+6 psi	11000 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	23200 psi	160 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.8 %	1.8 %	ISO 527-2/1A/5
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength	4.8 ft·lb/in²	10 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	12 ft·lb/in²	25 kJ/m²	ISO 179/1eU
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/Af
264 Psi (1.8 Mpa), Unannealed	509 °F	265 °C	
Electrical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Comparative Tracking Index	175 V	175 V	IEC 60112
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Burning Rate			
0.0787 In (2.00 Mm)	0.0 in/min	0.0 mm/min	ISO 3795
0.0787 In (2.00 Mm)	0.0 in/min	0.0 mm/min	FMVSS 302
Flame Rating	V-0	V-0	UL 94
Glow Wire Flammability Index			IEC 60695-2-12
0.06 In (1.5 Mm)	1760 °F	960 °C	
Glow Wire Ignition Temperature (1.5 Sec)	1560 °F	850 °C	IEC 60695-2-13

Technical Data Sheet

Schulatec PPS GF 30

Polyphenylene Sulfide
LyondellBasell Industries
Engineering Plastics



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	266 to 284 °F	130 to 140 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Processing (Melt) Temp	572 to 626 °F	300 to 330 °C
Mold Temperature	284 °F	140 °C
Screw Speed	40 to 100 rpm	40 to 100 rpm

Notes

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