Technical Data Sheet

Schuladur A GF 30

Polybutylene Terephthalate
LyondellBasell Industries
Engineering Plastics

Product Description	
30% glass fibre reinforced PBT compound	

General		
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight	
Features	• Medium Viscosity	
RoHS Compliance	• RoHS Compliant	
Automotive Specifications	• FORD WSK-M4D725-A Color: Black	• GM QK 006615 Color: 96.8001 Black
UL File Number	• E86615	
Processing Method	• Injection Molding	
Resin ID (ISO 1043)	• PBT-GF	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.53 g/cm³	1.53 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°c/2.16 Kg)	18 cm³/10min	18 cm³/10min	ISO 1133
Water Absorption			ISO 62
Equilibrium, 73°f (23°c), 50% Rh	0.30 %	0.30 %	
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	1.45E+6 psi	10000 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	18900 psi	130 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.5 %	2.5 %	ISO 527-2/1A/5
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-22°f (-30°c)	2.4 ft·lb/in²	5.0 kJ/m²	
73°f (23°c)	3.8 ft·lb/in²	8.0 kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°f (-30°c)	26 ft·lb/in²	55 kJ/m²	
73°f (23°c)	29 ft·lb/in²	60 kJ/m²	
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Ball Indentation Hardness (H 358/30)	33100 psi	228 MPa	ISO 2039-1
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	419 °F	215 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	401 °F	205 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	415 °F	213 °C	ISO 306/B50
--	424 °F	218 °C	ISO 306/A50
Ball Pressure Test (392°f (200°c))	Pass	Pass	IEC 60695-10-2
Electrical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Surface Resistivity	> 1.0E+15 ohms	> 1.0E+15 ohms	IEC 60093
Volume Resistivity	> 1.0E+13 ohms·m	> 1.0E+13 ohms·m	IEC 62631-3-1
Comparative Tracking Index	350 V	350 V	IEC 60112
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Burning Rate			
0.0787 In (2.00 Mm)	1.5 in/min	39 mm/min	ISO 3795
0.0787 In (2.00 Mm)	1.5 in/min	39 mm/min	FMVSS 302

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Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flammability Classification			IEC 60695-11-10, -20
0.030 In (0.75 Mm)	HB	HB	
0.06 In (1.5 Mm)	HB	HB	
0.12 In (3.0 Mm)	HB	HB	
Glow Wire Flammability Index			IEC 60695-2-12
0.06 In (1.5 Mm)	1380 °F	750 °C	
0.12 In (3.0 Mm)	1380 °F	750 °C	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.06 In (1.5 Mm)	1430 °F	775 °C	
0.12 In (3.0 Mm)	1430 °F	775 °C	
Oxygen Index	19 %	19 %	ISO 4589-2

Additional Information

1.) Not for use in food contact applications
2.) Not for use in medical or pharmaceutical applications

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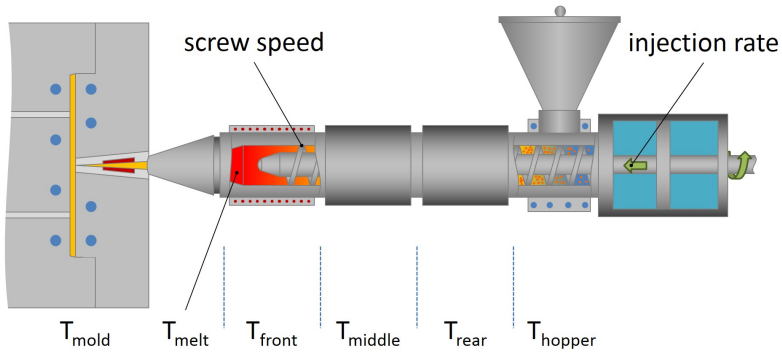

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	248 °F	120 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Suggested Max Moisture	0.05 %	0.05 %
Processing (Melt) Temp	482 to 500 °F	250 to 260 °C
Mold Temperature	158 to 194 °F	70 to 90 °C

Notes

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