



FZ-3600

- Product Summary: FZ-3600 is a glass fiber and mineral filled branched PPS compound for general purpose with excellent mechanical properties and processability.
- Color: Black and Natural (Brown)

Engineering Properties of FZ-3600			
Properties	Test Method	Unit	FZ-3600
General Information			GF/Filler Standard
Physical			
Density Water absorption, 23°C /24hrs. Mold shrinkage ^a Mechanical	ISO 1183 ISO 62 ISO 294-4	g/cm³ % %	1.96 0.01 0.3/0.6
Tensile strength Tensile modulus Tensile strain at break Flexural strength Flexural modulus Flexural strain at break Charpy impact strength, notched unnotched Co-eff. of friction ^b , static/dynamic	ISO 527-1,2 ISO 527-1,2 ISO 527-1,2 ISO 178 ISO 178 ISO 178 ISO 178 ISO 179/1eA ISO 179/1eU	MPa GPa % MPa GPa % kJ/m ² kJ/m ²	140 21.5 0.9 220 20.0 1.3 7 23 0.35/0.35
Thermal			
Heat deflection temperature, 1.80MPa Co-eff. of linear thermal expansion ^a , -50~50 °C Co-eff. of linear thermal expansion ^a , 100~200 °C Flammability ^c /thickness (mm)	ISO 75-1,2 ISO 11359-2 ISO 11359-2 UL-94	°C x 10 ⁻⁵ /K x 10 ⁻⁵ /K -	275 1.5/2.5 1.5/7.0 V-0/0.73
Electrical			
Dielectric strength, t=1.0mm Dielectric constant, 1MHz Dissipation factor, 1MHz Comparative Tracking Index (CTI) Volume resistivity	IEC 60243-1 IEC 60250 IEC 60250 IEC 60112 IEC 60093	kV/mm - - V Ω∙cm	21 5 0.002 200 10 ¹⁶
Molding Condition			
Cylinder temperature Mold temperature	-	D° D°	300-340 130-150

b: P=150kPa, V=0.3m/s, PPS vs. carbon steel

c: UL file No. E53829

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