

Product Description

30% chopped glass fiber reinforced PPS, enhanced toughness, outstanding chemical resistance

Material Properties

Properties	Test Method	Unit	chopped glass fiber reinforced	
			SG6R	SG6R-BK
Color	-	-	NA	Black
Density	ISO 1183	g/cm ³	1.51	1.51
Water Absorption	ISO 62	%	0.02	0.02
Mold Shrinkage Flow/Transverse	-	%	0.4/0.7	0.4/0.7
Tensile Strength	ISO 527	MPa	130	120
Elongation	ISO 527	%	2.0	2.0
Flexural Strength	ISO 178	MPa	190	190
Flexural Modulus	ISO 178	GPa	9.0	9.0
Notched Izod Impact	ISO 180	kJ/m ²	15.0	14.0
Heat Deflection Temperature 1.8 MPa	ISO 75	°C	260	260
Flammability Rating	UL-94	-	V0	V0

Notes for molding

Predry pellets at 120-140°C for 2-4 hours.

Temperature of mold at 130-150°C.

Optimum material temperature :290-320°C,Do not heat above 350°C.

Limit in-cylinder retention time: 300°C/60min. 320°C/30min.