

Product Description

40% chopped glass fiber reinforced PPS, total chlorine content less than 900 ppm, excellent properties similar to those of the SG8C

Material Properties

Properties	Test Method	Unit	chopped glass fiber reinforced	
			SG8A	SG8A-BK
Color	-	-	NA	Black
Density	ISO 1183	g/cm ³	1.68	1.68
Water Absorption	ISO 62	%	0.02	0.02
Mold Shrinkage Flow/Transverse	-	%	0.3/0.5	0.3/0.5
Tensile Strength	ISO 527	MPa	165	160
Elongation	ISO 527	%	1.5	1.5
Flexural Strength	ISO 178	MPa	220	210
Flexural Modulus	ISO 178	GPa	12.0	12.0
Notched Izod Impact	ISO 180	kJ/m ²	12.0	11.0
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.