

Product Description

40% glass fiber reinforced PPS, lower cost, general purpose, balanced mechanical properties, excellent heat and chemical resistance

Material Properties

Properties	Test Method	Unit	glass fiber reinforced	
			SG8D	SG8D-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	150	145
Elongation	ISO 527	%	1.5	1.5
Flexural Strength	ISO 178	MPa	230	220
Flexural Modulus	ISO 178	GPa	12.5	12.0
Notched Izod Impact	ISO 180	kJ/m ²	10.0	10.0
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.