

Product Description

carbon fiber reinforced PPS, excellent wear resistance, low coefficient of friction, ultra-high strength, excellent heat and chemical resistance

Material Properties

Properties	Test Method	Unit	carbon fiber reinforced
			SC6C
Color	-	-	NA
Density	ISO 1183	g/cm ³	1.35
Water Absorption	ISO 62	%	0.02
Mold Shrinkage Flow/Transverse	-	%	0.3/0.6
Tensile Strength	ISO 527	MPa	200
Elongation	ISO 527	%	1.6
Flexural Strength	ISO 178	MPa	280
Flexural Modulus	ISO 178	GPa	20.0
Notched Izod Impact	ISO 180	kJ/m ²	10.0
Heat Deflection Temperature 1.8 MPa	ISO 75	°C	265
Flammability Rating	UL-94	-	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.