

Properties

PPS-CF40-01

Long carbon fiber-reinforced PPS resin (CF40%)

Properties	Test methods	Test conditions	Units	
Tensile strength	ISO 527	-	MPa	190
Flexural strength	ISO 178	-	MPa	370
Flexural modulus	ISO 178	-	MPa	35,000
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	20
Deflection temperature under load	ISO 75	1.80MPa	deg C	285
Density	ISO 1183	-	g/cm3	1.49

Note

•Values are typical, not quality assured.

Typical settings for processing

Preliminary drying	Barrel temperature(deg C)				Screw rotation (rpm)	Back pressure (MPa)	Mold temperature (deg C)
	Nozzle	Front	Middle	Back			
3-5hrs 120-140deg C	300-320	310-330	310-330	310-330	40-60	5-10	130-150