

Properties

PP-CF40-11

Long carbon fiber-reinforced PP resin (CF40%)

Properties	Test methods	Test conditions	Units	
Tensile strength	ISO 527	-	MPa	160
Flexural strength	ISO 178	-	MPa	250
Flexural modulus	ISO 178	-	MPa	20,000
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	20
Deflection temperature under load	ISO 75	1.80MPa	deg C	161
Density	ISO 1183	-	g/cm3	1.12

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			
1hrs 80deg C	200-250	250-270	250-270	230-250	40-60	5-10	30-80