

Properties

PP-GF50-02

Long glass fiber-reinforced PP resin (GF50%)

Properties	Test methods	Test conditions	Units	
Tensile strength	ISO 527	-	MPa	140
Flexural strength	ISO 178	-	MPa	210
Flexural modulus	ISO 178	-	MPa	11,500
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	45
Deflection temperature under load	ISO 75	1.80MPa	deg C	162
Density	ISO 1183	-	g/cm3	1.33

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	200-250	190-240	180-230	40-60	5-10	30-80