

Properties**PA6-GF50-01**

Long glass fiber-reinforced PA6 resin (GF50%)

Properties	Test methods	Test conditions	Units	Dry	1.3% moist.
Tensile strength	ISO 527	-	MPa	280	210
Flexural strength	ISO 178	-	MPa	430	320
Flexural modulus	ISO 178	-	MPa	15,500	11,500
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	50	50
Deflection temperature under load	ISO 75	1.80MPa	deg C	220	-
Density	ISO 1183	-	g/cm3	1.57	-

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 80-85deg C	240-270	250-280	250-280	240-270	40-60	5-10	80-100