

Properties

PAX-CF40-02

Long carbon fiber-reinforced Aromatic PA resin (CF40%)

Properties	Test methods	Test conditions	Units	Dry	0.7% moist.
Tensile strength	ISO 527	-	MPa	330	310
Flexural strength	ISO 178	-	MPa	500	440
Flexural modulus	ISO 178	-	MPa	33,000	30,000
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m ²	25	26
Deflection temperature under load	ISO 75	1.80MPa	deg C	235	-
Density	ISO 1183	-	g/cm ³	1.39	-

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	240-280	250-290	250-290	240-280	40-60	5-10	130-150