

Properties

PA66-AF30-K2

Long aramid fiber-reinforced PA66 resin (AF30%)

Properties	Test methods	Test conditions	Units	
Tensile strength	ISO 527	-	MPa	135
Flexural strength	ISO 178	-	MPa	175
Flexural modulus	ISO 178	-	MPa	6,500
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	10
Deflection temperature under load	ISO 75	1.80MPa	deg C	260
Density	ISO 1183	-	g/cm3	1.22

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			
4-6hrs 80-90deg C	270-300	280-320	280-320	280-320	40-60	5-10	60-120