

NOVALLOY A series

PA/ABS resin

Technical Information

TI-05079

Properties

AC2601(M)

Carbon fiber-reinforced PA/ABS resin (CF 5%)

Properties	Test methods	Test conditions	Units	
Mold shrinkage	Our standard	-	%	0.1-0.5
Tensile strength	ISO 527	-	MPa	85
Flexural strength	ISO 178	-	MPa	125
Flexural modulus	ISO 178	-	MPa	4500
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	7
Deflection temperature under load	ISO 75	1.80MPa	deg C	105
Deflection temperature under load	ISO 75	0.45MPa	deg C	190
Density	ISO 1183	-	g/cm3	1.10

Note

- Test methods such as ISO standards are fully or almost compliant with the standards.
- 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			
4-5hrs 90-100deg C	230-250	240-260	230-250	180-210	50-80	10-20	70-90