

NOVALLOY B series

PBT/PET resin

Technical Information

TI-05082

Properties

BE2703(K)

Glass fiber-reinforced PBT/PET resin (GF18%)

Good surface appearance

Properties	Test methods	Test conditions	Units	
Mold shrinkage	Our standard	-	%	0.2-0.4
Tensile strength	ISO 527	-	MPa	100
Flexural strength	ISO 178	-	MPa	150
Flexural modulus	ISO 178	-	MPa	6000
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	5
Deflection temperature under load	ISO 75	1.80MPa	deg C	180
Density	ISO 1183	-	g/cm3	1.45

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			
3-5hrs 100-120deg C	240-260	250-270	240-260	210-230	50-100	10-20	80-100