

NOVALLOY B series

PBT/ABS resin

Technical Information

TI-05388

Properties

B2703M

Glass fiber-reinforced PBT/ABS resin (GF15%)

Heat resistance

Properties	Test methods	Test conditions	Units	
Mold shrinkage	Our standard	-	%	0.4-0.7
Tensile strength	ISO 527	-	MPa	75
Flexural strength	ISO 178	-	MPa	120
Flexural modulus	ISO 178	-	MPa	4800
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	7
Deflection temperature under load	ISO 75	1.80MPa	deg C	155
Flammability	UL94	-	-	HB
Density	ISO 1183	-	g/cm3	1.33

Note

- Test methods such as ISO standards are fully or almost compliant with the standards.
- Values are typical, not quality assured.
- UL recognition File No. is E47773.
- The colorant formulations are restricted for each UL certified color. Please contact us for more information.

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 80-120deg C	230-250	240-250	220-240	190-230	50-90	5-20	60-80

Novacel Co., Ltd.

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