

Properties

B50B3

Glass fiber-reinforced flame retardant PBT/ABS resin (GF15%, UL94 V-0)

Good surface appearance

Properties	Test methods	Test conditions	Units	
Mold shrinkage	ASTM D955	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	80
Flexural strength	ISO 178	-	MPa	125
Flexural modulus	ISO 178	-	MPa	5000
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	4
Deflection temperature under load	ISO 75	1.80MPa	deg C	160
Deflection temperature under load	ISO 75	0.45MPa	deg C	210
Flammability	UL94	-	-	V-0/1.5mm
Density	ISO 1183	-	g/cm3	1.46

Note

- Values are typical, not quality assured.
- UL recognition File No. of Daicel Polymer is E47773.

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	250-260	230-250	200-220	50-100	5-20	80-100