

## Properties

### **B5556S**

#### **COLOR No. 9S953S**

Glass fiber-reinforced flame-retardant PBT/ABS resin (GF30%)

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	240 deg C/5kg	g/10min	16
Mold shrinkage	Daicel method	-	%	0.2-0.4
Tensile strength	ISO 527	-	MPa	110
Flexural strength	ISO 178	-	MPa	165
Flexural modulus	ISO 178	-	MPa	10000
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m <sup>2</sup>	7
Deflection temperature under load	ISO 75	1.80MPa	deg C	145
Flammability	UL94	-	-	V-0/0.75mm
Hot wire ignition	UL746A	0.75mm	sec(PLC)	20(3)
High ampere arc ignition	UL746A	0.75mm	arcs(PLC)	150(0)
Density	ISO 1183	-	g/cm <sup>3</sup>	1.57

**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