Properties

PGM7T1

Glass fiber/Mica-reinforced PP compound (GF15%/Mica20%)

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	230 deg C/2.16kg	g/10min	5
Mold shrinkage	Our standard	-	%	0.4-0.7
Tensile strength	ISO 527	-	MPa	55
Flexural strength	ISO 178	-	MPa	85
Flexural modulus	ISO 178	-	MPa	6000
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	8
Rockwell hardness	ISO 2039	-	-	R110
Deflection temperature under load	ISO 75	0.45MPa	deg C	160
Flammability	UL94	-	-	HB(NC,BK)
Density	ISO 1183	-	g/cm3	1.19

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	180-230	180-230	160-210	140-190	70-90	5-20	40-60

*Preliminary drying under the conditions above is required, although PP resin hardly absorbs moisture.