

Product Characteristic

mPPO+GF10%, Flame retardant (0.8T) V-0, Impact improved

	TEST Method	Unit	BS Spec.	Value
Properties				
Classification	ISO 1043	-		mPPO+GF10%
Specific gravity	ASTM D792	-		1.14
Moisture absorptivity	ASTM D670	%	23°C, 50%RH	0.05
Shrinkage factor			(MD)	0.3 - 0.6
Classification	ASTM D955	%	(TD)	0.4 - 0.8

※ The above data is the shrinkage rate for the specimen measured with the current self-mold, and the shrinkage rate varies greatly depending on the shape of the product or injection conditions. So consultation is needed to reflect the mold shrinkage rate.

Mechanical property

Tensile strength	ASTM D638	MPa	Dry	49
elongation	ASTM D638	MPa	Dry	8
Flexural strength	ASTM D790	MPa	Dry	82
Flexural Modulus	ASTM D790	MPa	Dry	2,480
Impact strength (Izod notched)	ASTM D256	J/M	23°C	96

Electrical property

Comparative Index(CTI)	ASTM D3638	Grade	Dry	2
Dielectric Strength	ASTM D149	KV/mm	-	18 ~ 21

Thermal property

H.D.T(18.6kg/cm ²)	ASTM D648	°C	18.6kg/cm ²	126
Flame retardant	UL94	0.8T		V-0

Injection guide

Injection temperature range	°C	270 - 290
Drying temperature	°C	70 - 90
Drying time	h	2 - 4

* The above physical property values are experimental measured values according to our test standard.

* When other characteristic are added, part or all of the above physical property values may be changed.