

**Product Characteristic**

mPPO+GF10% Natural Color, Flame retardant V-0(1.5t), Impact improved

	TEST Method	Unit	BS Spec.	Value
<b>Properties</b>				
Classification	ISO 1043	-		mPPO+GF10%
Specific gravity	ASTM D792	-	1.12~1.17	1.14
Moisture absorptivity	ASTM D670	%	-	0.05
Shrinkage factor	ASTM D955	%	-	MD 0.3 - 0.6
			-	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	≥45	80
Yield strength	ASTM D638	MPa	≥45	80
elongation	ASTM D638	%	≥5	5
Flexural strength	ASTM D790	MPa	≥75	115
Flexural Modulus	ASTM D790	MPa	≥2,300	4,100
Young's Modulus	ASTM D638	MPa	≥2,400	4,210
Impact strength (Izod notched)	ASTM D256	J/M	≥90	98

**Electrical property**

Comparative Index(CTI)	ASTM D3638	Grade	≥2	2
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**Thermal property**

H.D.T(18.6kg/cm <sup>2</sup> )	ASTM D648	°C	≥115	142
Flame retardant	UL94	1.5T	V-0	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.

**Product Characteristic**

mPPO+GF10% Black Color, Flame retardant V-0(1.5t), Impact improved

	TEST Method	Unit	BS Spec.	Value
<b>Properties</b>				
Classification	ISO 1043	-		mPPO+GF10%
Specific gravity	ASTM D792	-	1.12~1.17	1.14
Moisture absorptivity	ASTM D670	%	-	0.05
Shrinkage factor	ASTM D955	%	-	MD 0.3 - 0.6
			-	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	≥45	77
Yield strength	ASTM D638	MPa	≥45	77
elongation	ASTM D638	%	≥5	5
Flexural strength	ASTM D790	MPa	≥75	110
Flexural Modulus	ASTM D790	MPa	≥2,300	4,050
Young's Modulus	ASTM D638	MPa	≥2,400	4,160
Impact strength (Izod notched)	ASTM D256	J/M	≥90	95

**Electrical property**

Comparative Index(CTI)	ASTM D3638	Grade	≥2	2
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**Thermal property**

H.D.T(18.6kg/cm <sup>2</sup> )	ASTM D648	°C	≥115	142
Flame retardant	UL94	1.5T	V-0	V-0

**Injection guide**

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