

## Product Characteristic

PA6+GF30%, Flame retardant V0(1.5T)\_Halogen free

**TEST Method      Unit      BS Spec.      Value**

### Properties

Classification	ISO 1043	-	-	PA6+GF30%
Specific gravity	ISO 1183	-	-	1.43
Shrinkage factor	ISO 294-4	%	-	0.2 / 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	ISO 527	MPa	Dry	131
elongation	ISO 527	%	Dry	3
Poisson's ratio	ISO 527	MPa	-	0.39
Flexural strength	ISO 178	MPa	Dry	216
Flexural Modulus	ISO 178	MPa	Dry	9,575
Impact strength (Izod notched)	ISO 180	KJ/M <sup>2</sup>	23°C (1/8")	8.4

### Thermal property

DSC(Differential Scanning Calorimetry)	ISO 11357	°C	Tm	223
Flame retardant	UL 94	1.5T	-	V-0
RTI(Relative Temperature Index)	UL 746B	-	-	65

### Electrical property

HWM(Hot Wire Ignition)	UL 746A	-	-	3(Prediction)
HAI(High-Current Arc Ignition)	UL 746A	-	-	0(Prediction)
CTI(Comparative Tracking index)	UL 746A	-	-	0(Prediction)

### Injection guide

Injection temperature range	°C	260 - 245
Mold temperature range	°C	50 - 40
Drying temperature	°C	80 - 100
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.