

Product Characteristic

PPS+GM60%, Flame retardant V-0(1.5T)

Properties

Classification	ISO 1043	-	PPS+GM60%
Specific gravity	ISO 1183	-	1.84
Shrinkage factor	ISO 294-4	%	0.2 / 0.5

※ 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	154
elongation	ISO 527	%	Dry	1.0 ~ 2.0
Poisson's ratio	ISO 527	-	-	0.23
Flexural strength	ISO 178	MPa	Dry	203
Flexural Modulus	ISO 178	MPa	Dry	14,808
Impact strength (Izod notched)	ISO 180	KJ/m ²	23°C (4T)	6.9

Thermal property

DTG(Differential Scanning Calorimetry)	ISO 11357	°C	Tm	280
Flame retardant	UL 94	1.5T	-	V-0
RTI(Relative Temperature Index)	UL 746B	°C	-	130

Electrical property

HWI(Hot wire ignition)	UL 746A	Grade	-	0
HAI(High-Current Arc Ignition)	UL 746A	Grade	-	3
CTI(Comparative Tracking index)	UL 746A	Grade	-	3

Injection guide

Injection temperature range	°C	310 - 295
Mold temperature range	°C	130 - 140
Drying temperature	°C	110 - 120
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.