

TECHNICAL DATASHEET

TRIBIT[®] 1500G10

PBT

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.49
Water Absorption (24 hours at 23°C)	%	D570	0.08
Melt Flow Rate (250°C, 5kg)	g/10min	D1238	27
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	630
Tensile Elongation at break	%	D638	5
Flexural Strength at yield	kg _f /cm ²	D790	1,000
Flexural Modulus	kg _f /cm ²	D790	32,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	8
Rockwell Hardness	R scale	D785	119
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	172
Coefficient of Linear Thermal Expansion	mm/mm/°C	D696	3 x 10 ⁻⁵
ELECTRICAL			
Volume Resistivity	Ω·cm	D257	1E+16
Dielectric Strength	kV/mm	D149	21
Dielectric Constant	-	D150	3.2
Dissipation Factor	-	D150	0.02
ARC Resistance	sec	D495	150
OTHERS			
UL-94 Flammability (0.84mm thickness)	-	(UL 94)	HB
Mold Shrinkage (3mm thickness)	%	D955	0.2~1.2

※ The figures listed in this table are typical values obtained under the standard test methods and may not be applicable for products that are under different application condition.

PROCESSING GUIDE

TRIBIT[®] 1500G10 GRADE

PBT

- General processing conditions for TRIBIT1500G10 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	120~130
Drying Time	hr	3~5
Moisture Content, Max	%	0.02
Melt Temperature	℃	240~270
Nozzle Temperature	℃	235~265
Front Temperature	℃	240~270
Middle Temperature	℃	235~265
Rear Temperature	℃	230~260
Mold Temperature	℃	50~90

Global Network

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