

TECHNICAL DATASHEET

TRIBIT® 1510

PBT

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.31
Water Absorption (24 hours at 23°C)	%	D570	0.1
Melt Flow Rate (235°C, 2.16kg)	g/10min	D1238	38
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	500
Tensile Elongation at break	%	D638	100
Flexural Strength at yield	kg _f /cm ²	D790	750
Flexural Modulus	kg _f /cm ²	D790	22,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	4
Rockwell Hardness	R scale	D785	118
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	56
Coefficient of Linear Thermal Expansion	mm/mm/°C	D696	9 x 10 ⁻⁵
ELECTRICAL			
Volume Resistivity	Ω·cm	D257	1E+16
Dielectric Strength	kV/mm	D149	17
Dielectric Constant	-	D150	3.2
Dissipation Factor	-	D150	0.02
ARC Resistance	sec	D495	180
OTHERS			
UL-94 Flammability (0.8mm thickness)	-	(UL 94)	HB
UL-94 Flammability (1.5mm thickness)			HB
Mold Shrinkage (3mm thickness)	%	D955	1.4~2.2

※ 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[®] 1510 GRADE

PBT

- General processing conditions for TRIBIT1510 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	120
Drying Time	hr	3-5
Moisture Content, Max	%	0.02
Melt Temperature	℃	250-260
Nozzle Temperature	℃	245-250
Front Temperature	℃	250-260
Middle Temperature	℃	245-255
Rear Temperature	℃	235-245
Mold Temperature	℃	60-80

Global Network

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