

TECHNICAL DATASHEET

TRILOY® 170HF

PC/PBT

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.21
Water Absorption (24 hours at 23°C)	%	D570	0.15
Melt Flow Rate (250°C, 5kg)	g/10min	D1238	23
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	600
Tensile Elongation at break	%	D638	180
Flexural Strength at yield	kg _f /cm ²	D790	880
Flexural Modulus	kg _f /cm ²	D790	21,500
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	80
Rockwell Hardness	R scale	D785	118
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	100
Coefficient of Linear Thermal Expansion	mm/mm/°C	D696	8.3 x 10 ⁻⁵
ELECTRICAL			
Volume Resistivity	Ω·cm	D257	5E+16
Dielectric Strength	kV/mm	D149	23
Dielectric Constant	-	D150	3
Dissipation Factor	-	D150	0.009
ARC Resistance	sec	D495	118
OTHERS			
Mold Shrinkage (3mm thickness)	%	D955	0.7-1.2

※ 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

TRILOY® 170HF GRADE

PC/PBT

- General processing conditions for TRILOY170HF are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	100
Drying Time	hr	3-5
Moisture Content, Max	%	0.02
Melt Temperature	℃	230~250
Nozzle Temperature	℃	245~255
Front Temperature	℃	245~255
Middle Temperature	℃	230~240
Rear Temperature	℃	220~240
Mold Temperature	℃	60~80

Global Network

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