

TECHNICAL DATASHEET

TRILOY® 120H

PC/PBT

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.20
Water Absorption (24 hours at 23°C)	%	D570	0.15
Melt Flow Rate (250°C, 3.8kg)	g/10min	D1238	22
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	500
Tensile Elongation at break	%	D638	160
Flexural Strength at yield	kg _f /cm ²	D790	700
Flexural Modulus	kg _f /cm ²	D790	19,500
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	70
Rockwell Hardness	R scale	D785	110
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	90
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			
UL-94 Flammability	-	(UL 94)	HB
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® 120H GRADE

PC/PBT

- General processing conditions for TRILOY120H are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	80-90
Drying Time	hr	3-5
Moisture Content, Max	%	0.02
Melt Temperature	℃	250-270
Nozzle Temperature	℃	255-265
Front Temperature	℃	255-265
Middle Temperature	℃	250-260
Rear Temperature	℃	240-250
Mold Temperature	℃	60-80

Global Network

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