

TECHNICAL DATASHEET

TRILOY® DG170

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, 5k)	g/10min	D1238	12
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	600
Tensile Elongation at break	%	D638	160
Flexural Strength at yield	kg _f /cm ²	D790	850
Flexural Modulus	kg _f /cm ²	D790	22,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	80
Rockwell Hardness	R scale	D785	110
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	100
ELECTRICAL			
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® DG170 GRADE

PC/PBT

- General processing conditions for TRILOYDG170 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	3~4
Moisture Content, Max	%	0.02
Melt Temperature	℃	250~280
Nozzle Temperature	℃	250~280
Front Temperature	℃	250~280
Middle Temperature	℃	240~270
Rear Temperature	℃	230~260
Mold Temperature	℃	40~60

Global Network

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