

TECHNICAL DATASHEET

TRILOY® NP170

PC/PBT

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.21
Water Absorption (24 hours at 23°C)	%	D570	0.2
Melt Flow Rate (250°C, 5kg)	g/10min	D1238	12
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	580
Tensile Elongation at break	%	D638	120
Flexural Strength at yield	kg _f /cm ²	D790	780
Flexural Modulus	kg _f /cm ²	D790	22,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	75
Rockwell Hardness	R scale	D785	118
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	105
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® NP170 GRADE

PC/PBT

- General processing conditions for TRILOYNP170 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	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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