

TECHNICAL DATASHEET

TRILOY® 170GN30

PC/PBT

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.43
Water Absorption (24 hours at 23°C)	%	D570	0.2
Melt Flow Rate (300°C, 1.2kg)	g/10min	D1238	15
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	1,000
Tensile Elongation at break	%	D638	2
Flexural Strength at yield	kg _f /cm ²	D790	1,400
Flexural Modulus	kg _f /cm ²	D790	66,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	12
THERMAL			
HDT, 18.6 kg _f /cm ²	°C	D648	120
ELECTRICAL			
OTHERS			
Mold Shrinkage	%		0.2~0.5

※ 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® 170GN30 GRADE

PC/PBT

- General processing conditions for TRILOY170GN30 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	90~100
Drying Time	hr	3~5
Moisture Content, Max	%	0.02
Melt Temperature	℃	270~290
Nozzle Temperature	℃	270~290
Front Temperature	℃	270~290
Middle Temperature	℃	260~280
Rear Temperature	℃	260~280
Mold Temperature	℃	60~80

Global Network

HEAD OFFICE

Samyang Corporation
31, Jong-ro 33-gil, Jongno-gu, Seoul, Korea
T. +82-2-740-7747

Chemical Research Center

730, Daedeok-daero, Yuseong-gu, Daejeon, Korea
T. +82-42-865-8114

JEONJU ENGINEERING PLASTIC PLANT

147, Palbok-ro, Deokjin-gu, Jeonju, Korea
T. +82-63-210-6664

SAMYANG ENGINEERING PLASTICS (SHANGHAI) CO., LTD.

No.131, Shuangying Road, Qingpu Industrial Area,
Qingpu County, Shanghai, China
T. +86-21-6922-2270

SAMYANG ENGINEERING PLASTICS (HUNGARY) CO., LTD.

H5100, Jaszbereny, Necso, Telep 1, Hungary
T. +36-21-311-1263

SAMYANG ENGINEERING PLASTICS (VIETNAM) LLC

1 Song Hanh Road, Nhon Trach 6 Industrial Zone, Long Tho
Commune, Nhon Trach District, Dong Nai Province, Vietnam
T. +84-0251-3686-707