

TECHNICAL DATASHEET

TRILOY® 145N

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 (260°C, 2.16kg)	g/10min	D1238	13
MECHANICAL			
Tensile Strength at yield	kgf/cm ²	D638	500
Tensile Elongation at break	%	D638	50
Flexural Strength at yield	kgf/cm ²	D790	780
Flexural Modulus	kgf/cm ²	D790	21,000
Izod Impact Strength, notched, 23°C (1/8")	kgf·cm/cm	D256	65
Rockwell Hardness	R scale	D785	118
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	85
ELECTRICAL			
OTHERS			
UL-94 Flammability	-	(UL 94)	V-0
UL-94 Flammability			V-0, 5VA
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® 145N GRADE

PC/PBT

- General processing conditions for TRILOY145N 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	℃	250~270
Nozzle Temperature	℃	255~265
Front Temperature	℃	255~265
Middle Temperature	℃	250~260
Rear Temperature	℃	240~250
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