

TECHNICAL DATASHEET

TRIEX[®] 3025G10

PC

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.25
Water Absorption (24 hours at 23°C)	%	D570	0.13
Melt Flow Rate (300°C, 1.2kg)	g/10min	D1238	10
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	800
Tensile Elongation at break	%	D638	10
Flexural Strength at yield	kg _f /cm ²	D790	1,300
Flexural Modulus	kg _f /cm ²	D790	37,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	12
Rockwell Hardness	R scale	D785	121
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	140
ELECTRICAL			
Volume Resistivity	Ω·cm	D257	4E+16
Dielectric Strength	kV/mm	D149	31
Dielectric Constant	-	D150	2.97
Dissipation Factor	-	D150	0.0096
ARC Resistance	sec	D495	120
OTHERS			
UL-94 Flammability (1.5mm thickness)	-	(UL 94)	V-0
Mold Shrinkage (3mm thickness)	%	D955	0.3-0.5

※ 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

TRIREX[®] 3025G10 GRADE

PC

- General processing conditions for TRIREX3025G10 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	120
Drying Time	hr	3~4
Moisture Content, Max	%	0.02
Melt Temperature	℃	290~310
Nozzle Temperature	℃	300~320
Front Temperature	℃	300~320
Middle Temperature	℃	290~310
Rear Temperature	℃	280~300
Mold Temperature	℃	80~110

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