

TECHNICAL DATASHEET

TRIEX[®] ST6-3025U

PC

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.18
Water Absorption (24 hours at 23°C)	%	D570	0.15
Melt Flow Rate (300°C, 1.2kg)	g/10min	D1238	8
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	550
Tensile Elongation at break	%	D638	100
Flexural Strength at yield	kg _f /cm ²	D790	850
Flexural Modulus	kg _f /cm ²	D790	20,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	80
THERMAL			
HDT, 18.6 kg _f /cm ²	°C	D648	123
ELECTRICAL			
OTHERS			
Mold Shrinkage (3mm thickness)	%	D955	0.4~0.8

※ 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[®] ST6-3025U GRADE

PC

- General processing conditions for TRIREXST6-3025U 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	℃	270~300
Nozzle Temperature	℃	270~300
Front Temperature	℃	265~290
Middle Temperature	℃	265~290
Rear Temperature	℃	265~290
Mold Temperature	℃	65~105
Back Pressure	MPa	0.4~0.6
Screw Speed	rpm	50~60
Injection Pressure	MPa	50~100
Injection Speed	%	30~60
Hold Pressure	MPa	35~60
Injection Cushion	mm	3~6

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