

TECHNICAL DATASHEET

TRIEX[®] 3025GRU10

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	17
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	580
Tensile Elongation at break	%	D638	110
Flexural Strength at yield	kg _f /cm ²	D790	950
Flexural Modulus	kg _f /cm ²	D790	26,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	8
Rockwell Hardness	R scale	D785	120
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	134
Coefficient of Linear Thermal Expansion	mm/mm/°C	D696	4.3 x 10 ⁻⁵
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 (1.0mm 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[®] 3025GRU10 GRADE

PC

- General processing conditions for TRIREX3025GRU10 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	℃	290~320
Nozzle Temperature	℃	300~320
Front Temperature	℃	300~320
Middle Temperature	℃	290~310
Rear Temperature	℃	280~300
Mold Temperature	℃	80~110
Back Pressure	MPa	0.3~0.7
Screw Speed	rpm	40~70
Vent Depth	mm	0.025~0.076

Global Network

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