

TECHNICAL DATASHEET

TRIEX[®] FB3025G10

PC

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.25
Water Absorption (24 hours at 23°C)	%	D570	0.12
Melt Flow Rate (300°C, 1.2kg)	g/10min	D1238	11
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	580
Tensile Elongation at break	%	D638	10
Flexural Strength at yield	kg _f /cm ²	D790	950
Flexural Modulus	kg _f /cm ²	D790	33,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	10
THERMAL			
HDT, 18.6 kg _f /cm ²	°C	D648	140
Coefficient of Linear Thermal Expansion	mm/mm/°C	D696	3.3 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 (1.5mm thickness)	-	(UL 94)	V-0
UL-94 Flammability (3.0mm thickness)			V-0, 5VA
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[®] FB3025G10 GRADE

PC

- General processing conditions for TRIREXFB3025G10 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

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