

TECHNICAL DATASHEET

TRIEX[®] 3015NF

PC

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.20
Water Absorption (24 hours at 23°C)	%	D570	0.15
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	630
Tensile Elongation at break	%	D638	30
Flexural Strength at yield	kg _f /cm ²	D790	900
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	115
THERMAL			
HDT, 18.6 kg _f /cm ²	°C	D648	85
Coefficient of Linear Thermal Expansion	mm/mm/°C	D696	5~7 x 10 ⁻⁵
ELECTRICAL			
Volume Resistivity	Ω·cm	D257	4E+16
Dielectric Strength	kV/mm	D149	30
Dielectric Constant	-	D150	2.85
Dissipation Factor	-	D150	0.0092
ARC Resistance	sec	D495	120
OTHERS			
UL-94 Flammability (0.3mm thickness)	-	(UL 94)	V-2 (RED)
UL-94 Flammability (0.5mm thickness)			V-0
UL-94 Flammability (2.5mm thickness)			V-0, 5VB
Mold Shrinkage (3mm thickness)	%	D955	0.5~0.7

※ 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[®] 3015NF GRADE

PC

- General processing conditions for TRIREX3015NF are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	80
Drying Time	hr	3-5
Moisture Content, Max	%	0.02
Melt Temperature	℃	260~280
Nozzle Temperature	℃	290~300
Front Temperature	℃	280~290
Middle Temperature	℃	260~270
Rear Temperature	℃	250~260
Mold Temperature	℃	80~100
Back Pressure	MPa	0.3~0.7
Screw Speed	rpm	40~70
Vent Depth	mm	0.02~0.08

Global Network

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