

TECHNICAL DATASHEET

TRIEX[®] 3025M05

PC

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.23
Water Absorption (24 hours at 23°C)	%	D570	0.13
Melt Flow Rate (300°C, 1.2kg)	g/10min	D1238	23
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	580
Tensile Elongation at break	%	D638	140
Flexural Strength at yield	kg _f /cm ²	D790	800
Flexural Modulus	kg _f /cm ²	D790	23,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	10
Rockwell Hardness	R scale	D785	123
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	130
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 (1.5mm thickness)	-	(UL 94)	V-2
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.