TECHNICAL DATASHEET

TRIEL® 5359FC

TPEE

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.12
Water Absorption (24 hours at 23℃)	%	D570	1.12
Melt Flow Rate (38)	g/10min	D1238	0.5
Melt Flow Rate	g/10min		235℃,2.16kg
MECHANICAL			
Tensile Strength at yield	$kg_f/㎠$	D638	38
Tensile Elongation at break	%	D638	38
Flexural Strength at yield	$kg_f/㎠$	D790	8
Flexural Modulus	$kg_f/㎠$	D790	40
Izod Impact Strength, notched, 23℃ (1/8")	$kg_f·㎝/㎝$	D256	630
Rockwell Hardness	R scale	D785	No break
Hardness (Shore D)	Shore D		No break
THERMAL			
HDT, 18.6 ㎏f/㎠	℃	D648	30
Vicat softening temperature	℃		50
Coefficient of Linear Thermal Expansion	㎜/㎜/℃	D696	120
ELECTRICAL			
Volume Resistivity	Ω·㎝	D257	-
Dielectric Strength	kV/㎜	D149	-
Dissipation Factor	-	D150	-
ARC Resistance	sec	D495	-
OTHERS			
UL-94 Flammability (-)	-	(UL 94)	-
Mold Shrinkage (3mm thickness)	%	D955	1.8

※ 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.