

TECHNICAL DATASHEET

TRIEL[®] 5359FC

TPEE

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.12
Water Absorption (24 hours at 23°C)	%	D570	1.12
Melt Flow Rate (38)	g/10min	D1238	0.5
Melt Flow Rate	g/10min		235°C, 2.16kg
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	38
Tensile Elongation at break	%	D638	38
Flexural Strength at yield	kg _f /cm ²	D790	8
Flexural Modulus	kg _f /cm ²	D790	40
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	630
Rockwell Hardness	R scale	D785	No break
Hardness (Shore D)	Shore D		35
THERMAL			
HDT, 18.6 kg _f /cm ²	°C	D648	30
Vicat softening temperature	°C		50
Coefficient of Linear Thermal Expansion	mm/mm/°C	D696	120
ELECTRICAL			
Volume Resistivity	Ω·cm	D257	-
Dielectric Strength	kV/mm	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.