

TECHNICAL DATASHEET

TRIPET[®] 2500G30

PET

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.56
Water Absorption (24 hours at 23°C)	%	D570	0.1
Melt Flow Rate (260°C, 5kg)	g/10min	D1238	70
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	1,200
Tensile Elongation at break	%	D638	2
Flexural Strength at yield	kg _f /cm ²	D790	1,700
Flexural Modulus	kg _f /cm ²	D790	90,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	8
Rockwell Hardness	R scale	D785	122
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	230
Coefficient of Linear Thermal Expansion	mm/mm/°C	D696	3 x 10 ⁻⁵
ELECTRICAL			
Volume Resistivity	Ω·cm	D257	1E+16
Dielectric Strength	kV/mm	D149	24
Dielectric Constant	-	D150	3.5
Dissipation Factor	-	D150	0.013
ARC Resistance	sec	D495	125
OTHERS			
UL-94 Flammability (0.75mm thickness)	-	(UL 94)	HB
Mold Shrinkage (3mm thickness)	%	D955	0.2-0.4

※ 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

TRIPET[®] 2500G30 GRADE

PET

- General processing conditions for TRIPET2500G30 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	120~130
Drying Time	hr	3~5
Moisture Content, Max	%	0.02
Melt Temperature	℃	270~290
Nozzle Temperature	℃	265~285
Front Temperature	℃	270~290
Middle Temperature	℃	265~285
Rear Temperature	℃	260~280
Mold Temperature	℃	>80

Global Network

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