

TECHNICAL DATASHEET

TRIPET® 2500G45

PET

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.70
Water Absorption (24 hours at 23°C)	%	D570	0.1
Melt Flow Rate (260°C, 5kg)	g/10min	D1238	15
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	1,600
Tensile Elongation at break	%	D638	2
Flexural Strength at yield	kg _f /cm ²	D790	2,100
Flexural Modulus	kg _f /cm ²	D790	110,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	10
Rockwell Hardness	R scale	D785	119
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	210
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	25
Dielectric Constant	-	D150	3.9
Dissipation Factor	-	D150	0.016
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[®] 2500G45 GRADE

PET

- General processing conditions for TRIPET2500G45 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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