

TECHNICAL DATASHEET

TRIPET[®] NP2559GN30

PET

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.58
Water Absorption (24 hours at 23°C)	%	D570	0.1
Melt Flow Rate (265°C, 5kg)	g/10min	D1238	> 40
MECHANICAL			
Tensile Elongation at break	%	D638	1,200
Flexural Strength at yield	kg _f /cm ²	D790	1,700
Flexural Modulus	kg _f /cm ²	D790	120,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	5.6
Rockwell Hardness	R scale	D785	118
THERMAL			
HDT, 18.6 kg _f /cm ²	°C	D648	230
ELECTRICAL			
Volume Resistivity	Ω·cm	D257	10 ¹⁴
Dielectric Strength	kV/mm	D149	20
Dielectric Constant	-	D150	3.8
OTHERS			
UL-94 Flammability (1/8", 1/16", 1/32" thickness)	-	(UL 94)	V-0
Mold Shrinkage (3mm thickness)	%	D955	0.1 ~ 0.3

※ 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® NP2559GN30 GRADE

PET

- General processing conditions for TRIPETNP2559GN30 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	120
Drying Time	hr	3 ~ 5
Moisture Content, Max	%	0.02
Melt Temperature	℃	255 ~ 265
Nozzle Temperature	℃	265 ~ 270
Front Temperature	℃	255 ~ 265
Middle Temperature	℃	255 ~ 265
Rear Temperature	℃	250 ~ 260
Mold Temperature	℃	> 120
Back Pressure	MPa	< 70
Screw Speed	rpm	< 60
Injection Pressure	MPa	< 70
Injection Speed	%	< 60
Hold Pressure	MPa	< 50
Injection Cushion	mm	3 ~ 6

Global Network

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