TECHNICAL DATASHEET

TRIEL® PZ5451SP

TPEE

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.13
Water Absorption (24 hours at 23℃)	%	D570	0.5
Melt Flow Rate (230℃, 2.16kg)	g/10min	D1238	13.0
MECHANICAL			
Tensile Strength at yield	$kg_f/㎠$	D638	30(@5%), 40(@10%), 80(@50%), 150(@Max load)
Tensile Elongation at break	%	D638	>400
Flexural Strength at yield	$kg_f/㎠$	D790	50.0
Flexural Modulus	$kg_f/㎠$	D790	900.0
Izod Impact Strength, notched, 23℃ (1/8")	$kg_f·㎝/㎝$	D256	No Break
Hardness (Shore D)	Shore D		40.0
THERMAL			
HDT, 4.6 ㎏f/㎠	℃		60.0
ELECTRICAL			
OTHERS			
Mold Shrinkage	%		1.5~1.7

※ 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

TRIEL® PZ5451SP GRADE

TPEE

- General processing conditions for TRIELPZ5451SP are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	100~110
Drying Time	hr	3~4
Moisture Content, Max	%	0.02
Melt Temperature	℃	200~210
Nozzle Temperature	℃	230~250
Front Temperature	℃	230~250
Middle Temperature	℃	230~250
Rear Temperature	℃	200~230
Mold Temperature	℃	30~60
Back Pressure	MPa	0.0~0.1
Screw Speed	rpm	30~60
Vent Depth	mm	0.02~0.08

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