TECHNICAL DATASHEET

TRIEL® 5651SP

TPEE

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.20
Water Absorption (24 hours at 23℃)	%	D570	0.45
Melt Flow Rate (230℃, 2.16kg)	g/10min	D1238	4.0
MECHANICAL			
Tensile Strength at yield	$kg_f/㎠$	D638	35.4
Tensile Elongation at break	%	D638	>400
Flexural Strength at yield	$kg_f/㎠$	D790	21.6
Flexural Modulus	$kg_f/㎠$	D790	520.0
Hardness (Shore D)	Shore D		65.0
THERMAL			
Vicat softening temperature	℃		200.0
ELECTRICAL			
OTHERS			
UL-94 Flammability	-	(UL 94)	HB
Mold Shrinkage	%		2.0

※ 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® 5651SP GRADE

TPEE

- General processing conditions for TRIEL5651SP are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	110~120
Drying Time	hr	3~4
Moisture Content, Max	%	0.02
Melt Temperature	℃	210~220
Nozzle Temperature	℃	230~250
Front Temperature	℃	230~250
Middle Temperature	℃	230~250
Rear Temperature	℃	220~240
Mold Temperature	℃	40~70
Back Pressure	MPa	0.0~0.1
Screw Speed	rpm	50~100
Vent Depth	mm	0.02~0.08

Global Network

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