TECHNICAL DATASHEET

TRIEL® 5552SP

TPEE

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.23
Water Absorption (24 hours at 23℃)	%	D570	0.45
Melt Flow Rate (230도, 2.16kg)	g/10min	D1238	8
MECHANICAL			
Tensile Strength at yield	$kg_f/㎠$	D638	260
Tensile Elongation at break	%	D638	>400
Flexural Strength at yield	$kg_f/㎠$	D790	100
Flexural Modulus	$kg_f/㎠$	D790	1,900
Izod Impact Strength, notched, 23℃ (1/8")	$kg_f·㎝/㎝$	D256	No Break
Hardness (Shore D)	Shore D		55
THERMAL			
HDT, 4.6 ㎏f/㎠	℃		102
Vicat softening temperature	℃		185
ELECTRICAL			
OTHERS			
UL-94 Flammability (1/16")	-	(UL 94)	HB
Mold Shrinkage	%		1.7~2.0

※ 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® 5552SP GRADE

TPEE

- General processing conditions for TRIEL5552SP 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	℃	230~260
Front Temperature	℃	230~260
Middle Temperature	℃	230~260
Rear Temperature	℃	220~240
Mold Temperature	℃	30~50
Back Pressure	MPa	0.0~0.1
Screw Speed	rpm	30~80
Vent Depth	mm	0.02~0.08

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