TECHNICAL DATASHEET

TRIEL® 5252SP

TPEE

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.08
Water Absorption (24 hours at 23℃)	%	D570	0.5
Melt Flow Rate (230℃, 2.16kg)	g/10min	D1238	13
MECHANICAL			
Tensile Strength at yield	$kg_f/㎠$	D638	75
Tensile Elongation at break	%	D638	>400
Flexural Strength at yield	$kg_f/㎠$	D790	20
Flexural Modulus	$kg_f/㎠$	D790	190
Izod Impact Strength, notched, 23℃ (1/8")	$kg_f \cdot cm/cm$	D256	No Break
Hardness (Shore D)	Shore D		25
THERMAL			
HDT, 4.6 kgf/㎠	℃		45
Vicat softening temperature	℃		67
ELECTRICAL			
OTHERS			
UL-94 Flammability (1.5mm thickness)	-	(UL 94)	HB
Mold Shrinkage (3mm thickness)	%	D955	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® 5252SP GRADE

TPEE

- General processing conditions for TRIEL5252SP are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	70~80
Drying Time	hr	3~5
Moisture Content, Max	%	0.04
Melt Temperature	℃	190~230
Nozzle Temperature	℃	190~230
Front Temperature	℃	190~220
Middle Temperature	℃	190~220
Rear Temperature	℃	170~200
Mold Temperature	℃	20~40
Back Pressure	MPa	0.0~0.1
Screw Speed	rpm	10~50
Vent Depth	mm	0.02~0.08

Global Network

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