TECHNICAL DATASHEET

TRIEL® 5632SPU

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	360
Tensile Elongation at break	%	D638	420
Flexural Strength at yield	$kg_f/㎠$	D790	200
Flexural Modulus	$kg_f/㎠$	D790	3,700
Izod Impact Strength, notched, 23℃ (1/8")	$kg_f·㎝/㎝$	D256	No Break
Hardness (Shore D)	Shore D		63
THERMAL			
HDT, 4.6 ㎏f/㎠	℃		120
Vicat softening temperature	℃		210
ELECTRICAL			
OTHERS			
UL-94 Flammability (1/16")	-	(UL 94)	HB
Mold Shrinkage	%		1.5

※ 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® 5632SPU GRADE

TPEE

- General processing conditions for TRIEL5632SPU 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	℃	200~230
Nozzle Temperature	℃	230~250
Front Temperature	℃	230~250
Middle Temperature	℃	230~250
Rear Temperature	℃	200~230
Mold Temperature	℃	30~50
Back Pressure	MPa	0.0~0.1
Screw Speed	rpm	10~50
Vent Depth	mm	0.02~0.08

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