TECHNICAL DATASHEET

TRIEL® 5650

TPEE

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.24
Water Absorption (24 hours at 23℃)	%	D570	0.45
Melt Flow Rate (230℃, 2.16kg)	g/10min	D1238	10.0
Melt Flow Rate (240℃, 2.16kg)	g/10min		15.0
MECHANICAL			
Tensile Strength at yield	$kg_f/㎠$	D638	180(@5%), 230(@10%), 240(@50%)
Tensile Elongation at break	%	D638	>400
Flexural Strength at yield	$kg_f/㎠$	D790	165.0
Flexural Modulus	$kg_f/㎠$	D790	3650.0
Izod Impact Strength, notched, 23℃ (1/8")	$kg_f·cm/cm$	D256	No Break
Hardness (Shore D)	Shore D		65.0
THERMAL			
HDT, 4.6 kgf/㎠	℃		117.0
Vicat softening temperature	℃		200.0
ELECTRICAL			
OTHERS			
UL-94 Flammability (1/16)	-	(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® 5650 GRADE

TPEE

- General processing conditions for TRIEL5650 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	℃	200~240
Nozzle Temperature	℃	200~240
Front Temperature	℃	200~240
Middle Temperature	℃	200~240
Rear Temperature	℃	190~210
Mold Temperature	℃	30~50
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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