TECHNICAL DATASHEET

TRIEL® 5551BM

TPEE

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.22
Water Absorption (24 hours at 23℃)	%	D570	0.5
Melt Flow Rate (230℃, 2.16kg)	g/10min	D1238	0.5
Melt Flow Rate (230℃, 10kg)	g/10min		5
MECHANICAL			
Tensile Strength at yield	$kg_f/㎠$	D638	270
Tensile Elongation at break	%	D638	>400
Flexural Strength at yield	$kg_f/㎠$	D790	70
Flexural Modulus	$kg_f/㎠$	D790	1,200
Izod Impact Strength, notched, 23℃ (1/8")	$kg_f·㎝/㎝$	D256	No Break
Hardness (Shore D)	Shore D		55
THERMAL			
HDT, 4.6 ㎏f/㎠	℃		86
Vicat softening temperature	℃		174
ELECTRICAL			
OTHERS			
Mold Shrinkage (3mm thickness)	%	D955	1.5~2.0

※ 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® 5551BM GRADE

TPEE

- General processing conditions for TRIEL5551BM 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	℃	200~230
Nozzle Temperature	℃	200~230
Front Temperature	℃	200~230
Middle Temperature	℃	200~230
Rear Temperature	℃	180~200
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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