TECHNICAL DATASHEET

TRIEL® 5552EM

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	6
MECHANICAL			
Tensile Strength at yield	$kg_f/㎠$	D638	270
Tensile Elongation at break	%	D638	>400
Flexural Strength at yield	$kg_f/㎠$	D790	95
Flexural Modulus	$kg_f/㎠$	D790	1,810
Izod Impact Strength, notched, 23℃ (1/8")	$kg_f·㎝/㎝$	D256	No Break
Hardness (Shore D)	Shore D		55
THERMAL			
HDT, 4.6 kgf/㎠	℃		185
Vicat softening temperature	℃		210
ELECTRICAL			
OTHERS			
Mold Shrinkage (3mm thickness)	%	D955	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® 5552EM GRADE

TPEE

- General processing conditions for TRIEL5552EM 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	℃	220~250
Nozzle Temperature	℃	220~250
Front Temperature	℃	220~250
Middle Temperature	℃	220~250
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

Global Network

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