TECHNICAL DATASHEET

TRIEL® 5406BM

TPEE

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.14
Water Absorption (24 hours at 23℃)	%	D570	0.5
Melt Flow Rate (230℃, 10kg)	g/10min	D1238	10
MECHANICAL			
Tensile Strength at yield	$kg_f/㎠$	D638	210
Tensile Elongation at break	%	D638	>400
Flexural Strength at yield	$kg_f/㎠$	D790	35
Flexural Modulus	$kg_f/㎠$	D790	650
Izod Impact Strength, notched, 23℃ (1/8")	$kg_f \cdot cm/cm$	D256	No Break
Hardness (Shore D)	Shore D		40
THERMAL			
HDT, 4.6 kgf/㎠	℃		57
Vicat softening temperature	℃		142
ELECTRICAL			
OTHERS			
Mold Shrinkage	%		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® 5406BM GRADE

TPEE

- General processing conditions for TRIEL5406BM are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	100~120
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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