TECHNICAL DATASHEET

TRIEL® 5249FC

TPEE

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.07
Water Absorption (24 hours at 23℃)	%	D570	0.5
Melt Flow Rate (190℃, 2.16kg)	g/10min	D1238	14.0
MECHANICAL			
Tensile Strength at yield	$kg_f/㎠$	D638	62.0
Tensile Elongation at break	%	D638	>400
Izod Impact Strength, notched, 23℃ (1/8")	$kg_f·cm/cm$	D256	No Break
Hardness (Shore D)	Shore D		24.0
THERMAL			
HDT, 4.6 kgf/㎠	℃		45.0
ELECTRICAL			
OTHERS			
UL-94 Flammability (1/16" thickness)	-	(UL 94)	HB
Mold Shrinkage	%		1.2~1.5

※ 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® 5249FC GRADE

TPEE

- General processing conditions for TRIEL5249FC are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	80~90
Drying Time	hr	3~4
Moisture Content, Max	%	0.02
Melt Temperature	℃	150~160
Nozzle Temperature	℃	170~200
Front Temperature	℃	170~200
Middle Temperature	℃	170~200
Rear Temperature	℃	160~190
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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