

TECHNICAL DATASHEET

TRILOY® 220PNH18

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.34
Melt Flow Rate (270℃, 10kg)	g/10min	D1238	38
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	460
Tensile Elongation at break	%	D638	11
Flexural Strength at yield	kg _f /cm ²	D790	830
Flexural Modulus	kg _f /cm ²	D790	43,000
Izod Impact Strength, notched, 23℃ (1/8")	kg _f ·cm/cm	D256	6.4
THERMAL			
HDT, 18.6 kg _f /cm ²	℃	D648	83
ELECTRICAL			
OTHERS			
Mold Shrinkage (3mm thickness)	%	D955	0.3 ~ 0.5

※ 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

TRILOY® 220PNH18 GRADE

- General processing conditions for TRILOY220PNH18 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	80
Drying Time	hr	3~4
Moisture Content, Max	%	0.02
Melt Temperature	℃	260~270
Nozzle Temperature	℃	260~270
Front Temperature	℃	260~270
Middle Temperature	℃	260~270
Rear Temperature	℃	260~270
Mold Temperature	℃	40~60
Back Pressure	MPa	0.3~0.7
Screw Speed	rpm	40~70
Vent Depth	mm	0.02~0.08

Global Network

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