

TECHNICAL DATASHEET

TRILOY® 220

PC/ABS

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.14
Water Absorption (24 hours at 23°C)	%	D570	0.2
Melt Flow Rate (250°C, 5kg)	g/10min	D1238	11
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	540
Tensile Elongation at break	%	D638	180
Flexural Strength at yield	kg _f /cm ²	D790	800
Flexural Modulus	kg _f /cm ²	D790	23,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	55
Rockwell Hardness	R scale	D785	115
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	108
Coefficient of Linear Thermal Expansion	mm/mm/°C	D696	7.3 x 10 ⁻⁵
ELECTRICAL			
Volume Resistivity	Ω·cm	D257	5E+16
Dielectric Strength	kV/mm	D149	25
Dielectric Constant	-	D150	3
Dissipation Factor	-	D150	0.009
ARC Resistance	sec	D495	123
OTHERS			
UL-94 Flammability (1.5mm thickness)	-	(UL 94)	HB
Mold Shrinkage (3mm thickness)	%	D955	0.5~0.7

※ 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® 220 GRADE

PC/ABS

- General processing conditions for TRILOY220 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	90
Drying Time	hr	3~4
Moisture Content, Max	%	0.02
Melt Temperature	℃	260~280
Nozzle Temperature	℃	250~270
Front Temperature	℃	255~275
Middle Temperature	℃	255~275
Rear Temperature	℃	245~265
Mold Temperature	℃	60~90

Global Network

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