

TECHNICAL DATASHEET

TRILOY® 200A

PC/ABS

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.08
Water Absorption (24 hours at 23°C)	%	D570	0.2
Melt Flow Rate (250°C, 5kg)	g/10min	D1238	15
MECHANICAL			
Tensile Strength at yield	kgf/cm ²	D638	450
Tensile Elongation at break	%	D638	60
Flexural Strength at yield	kgf/cm ²	D790	650
Flexural Modulus	kgf/cm ²	D790	22,000
Izod Impact Strength, notched, 23°C (1/8")	kgf·cm/cm	D256	40
Rockwell Hardness	R scale	D785	100
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	100
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® 200A GRADE

PC/ABS

- General processing conditions for TRILOY200A are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	60-90
Drying Time	hr	3-5
Moisture Content, Max	%	0.02
Melt Temperature	℃	240~270
Nozzle Temperature	℃	245-255
Front Temperature	℃	250-260
Middle Temperature	℃	250-260
Rear Temperature	℃	240-250
Mold Temperature	℃	60-90

Global Network

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