

TECHNICAL DATASHEET

TRILOY® 210N

PC/ABS

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.18
Water Absorption (24 hours at 23°C)	%	D570	0.2
Melt Flow Rate (260°C, 2.16kg)	g/10min	D1238	5
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	500
Tensile Elongation at break	%	D638	60
Flexural Strength at yield	kg _f /cm ²	D790	700
Flexural Modulus	kg _f /cm ²	D790	22,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	35
Rockwell Hardness	R scale	D785	115
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	105
Coefficient of Linear Thermal Expansion	mm/mm/°C	D696	8.3 x 10 ⁻⁵
ELECTRICAL			
Volume Resistivity	Ω·cm	D257	9E+16
Dielectric Strength	kV/mm	D149	30
Dielectric Constant	-	D150	3
Dissipation Factor	-	D150	0.009
ARC Resistance	sec	D495	120
OTHERS			
UL-94 Flammability (1.6mm thickness)	-	(UL 94)	V-0
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® 210N GRADE

PC/ABS

- General processing conditions for TRILOY210N are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	85-95
Drying Time	hr	3-5
Moisture Content, Max	%	0.02
Melt Temperature	℃	230~250
Nozzle Temperature	℃	230~250
Front Temperature	℃	220~240
Middle Temperature	℃	220~240
Rear Temperature	℃	210~230
Mold Temperature	℃	50~80

Global Network

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