

TECHNICAL DATASHEET

TRILOY® 215

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	9
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	540
Tensile Elongation at break	%	D638	160
Flexural Strength at yield	kg _f /cm ²	D790	740
Flexural Modulus	kg _f /cm ²	D790	21,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	68
Rockwell Hardness	R scale	D785	120
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	110
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	1.7~2.0

※ 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® 215 GRADE

PC/ABS

- General processing conditions for TRILOY215 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	100~110
Drying Time	hr	3~5
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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