

TECHNICAL DATASHEET

TRILOY® 450N

PC/PET

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.28
Water Absorption (24 hours at 23°C)	%	D570	0.15
Melt Flow Rate (280°C, 2.16kg)	g/10min	D1238	35
MECHANICAL			
Tensile Strength at yield	kgf/cm ²	D638	600
Tensile Elongation at break	%	D638	80
Flexural Strength at yield	kgf/cm ²	D790	900
Flexural Modulus	kgf/cm ²	D790	26,000
Izod Impact Strength, notched, 23°C (1/8")	kgf·cm/cm	D256	6
Rockwell Hardness	R scale	D785	115
THERMAL			
HDT, 18.6 kgf/cm ²	°C	D648	116
Coefficient of Linear Thermal Expansion	mm/mm/°C	D696	8.3 x 10 ⁻⁵
ELECTRICAL			
Volume Resistivity	Ω·cm	D257	3E+16
Dielectric Strength	kV/mm	D149	23
Dielectric Constant	-	D150	3
Dissipation Factor	-	D150	0.009
ARC Resistance	sec	D495	121
OTHERS			
UL-94 Flammability (0.8mm thickness)	-	(UL 94)	V-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® 450N GRADE

PC/PET

- General processing conditions for TRILOY450N are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	120
Drying Time	hr	3-5
Moisture Content, Max	%	0.02
Melt Temperature	℃	260~280
Nozzle Temperature	℃	255~275
Front Temperature	℃	260~280
Middle Temperature	℃	255~275
Rear Temperature	℃	250~270
Mold Temperature	℃	60~90

Global Network

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