

TR-558AI (ABS Transparent)



Item	Test method	Test Condition	Unit	Value
PHYSICAL				
Melt Index	ASTM D1238	200°C/5kg	g/10min	2.2
		220°C/10kg	g/10min	22
		230°C/3.8kg	g/10min	9.2
Specific Gravity	ASTM D792		-	1.08
Mold Shrinkage	ASTM D955		%	0.4~0.7
MECHANICAL				
Tensile Strength	ASTM D638	50mm/min	kg/cm ²	520
			MPa	51.3
			lb/in ²	7,394
Tensile Modulus	ASTM D638	50mm/min	kg/cm ²	22,200
			MPa	2,191
			lb/in ²	315,684
Elongation at Yield	ASTM D638	50mm/min	%	>6
Elongation at Break	ASTM D638	50mm/min	%	30
Flexural Strength	ASTM D790	15mm/min	kg/cm ²	800
			MPa	79
			lb/in ²	11,376
Flexural Modulus	ASTM D790	15mm/min	kg/cm ²	24,000
			MPa	2368.8
			lb/in ²	341,280
Izod Impact Strength(notched)	ASTM D256	1/4", 23°C	kg cm/cm	11
			J/m	107.8
		1/4", -30°C	ft-lb/in	2
			kg cm/cm	5
		1/8", 23°C	J/m	49
			ft-lb/in	0.9
		1/8", -30°C	kg cm/cm	11
			J/m	107.8
Rockwell Hardness	ASTM D785	R-scale	ft-lb/in	2
				0.9
				112
THERMAL				
Heat Deflection Temp	ASTM D648	1/4", 18.56kg/cm ² (annealed)	°C	89
			°F	192.2
		1/4", 18.56kg/cm ² (unannealed)	°C	83
			°F	181.4
Vicat Softening Temp	ASTM D1525	1/4", 4.6kg/cm ² (annealed)	°C	95
			°F	203
		1/4", 4.6kg/cm ² (unannealed)	°C	90
			°F	194
Flammability	UL 94	1kg/120°C/h	°C	100
			°F	212
		5kg/50°C/h	°C	93
			°F	199.4
FLAMMABILITY				
Flammability	UL 94	1/8"	class	HB
		1/10"		HB
	IEC 707	1/16"	mm/min	
		1/8"		
CHARACTERISTIC				

High stiffness, Ice color

*Note : 1)The values of properties in the above table have been obtained by the test pieces(natural color) manufactured under certain of injection.

2)The listed values should be used for referential purposed only.