

ABSFC-AH2003 (ABS LASER MARKING GRADE RESIN)

SR NO	Property	Unit	Test Method	Test Condition	DATA
1	TENSILE STRENGTH	Kg/cm ² (MPa)	ASTM D-638 (IS0527)	23°C	480 (47)
2	FLEXURAL STRENGTH	Kg/cm ² (MPa)	ASTM D-790 (IS0178)	23°C	850 (84)
3	FLEXURAL MODULUS	Kg/cm ² (MPa)	ASTM D-790 (IS0178)	23°C	27000 (2650)
4	ROCKWELL HARDNESS	R-Scale	ASTM D-785 (IS02039/2)	23°C	R-110
5	IZOD IMPACT STRENGTH	Kg-cm/cm (J/m)	ASTM D-256 (ISO R180)	23°C 1/4" bar	6.5 (64)
6	VICAT SOFTENING TEMPERATURE	°C	ASTM D-1525 (IS0306)	1 kg load	103
7	HEAT DEFLECTION TEMPERATURE	°C	ASTM D-648 (ISO 75/A)	Unannealed 18.6kg/cm ² (1/2" bar)	88
				Annealed 18.6kg/cm ² (80°C x 8Hr)	100
8	MELT FLOW INDEX	g/10 min	ASTM D-1238 (IS01133)	200°C x 5Kg (49N)	25
				220°C x 10Kg (98N)	
9	MOLDING SHRINKAGE	%		23°C	0.4~0.7
10	SPECIFIC GRAVITY		ASTM D-792 (IS01183)	23°C/23°C	1.08
11	FLAMMABILITY		UL-94	FILE NO. E162823	1/16" HB ALL COLOR

Characteristics: Black color, whiten better ◦

Application : Keyboard, Key top, Laser marking products ◦