

Properties

Properties	Test Method	Test Condition	Unit	Acrylic	PS	PC
Tensile Strength	ASTM D638	1/8", 6mm/min	kg/cm ² (1b/in ²)	720 (10200)	550 (7810)	630 (8925)
Tensile Elongation	ASTM D638	1/8", 6mm/min	%	5.0	2.0	110
Flexural Strength	ASTM D790	1/4", 2.8mm/min	kg/cm ² (1b/in ²)	1100 (15600)	820 (11650)	920 (13047)
Light Transmission	ASTM D1003	1/8"	%	93	--	89
IZOD Impact Strength	ASTM D256	1/4", 23°C	kg/cm ² (1b/in ²)	2.0 (0.37)	1.7 (0.31)	14.3 (2.65)
Hardness	ASTM D785	1/4"	M Scale	95	82	77
Specific Gravity	ASTM D792	23°C		1.19	1.05	1.20
Vicat Softening Temp	ASTM D1525	1/8", 50°C/hr	°C (°F)	113 (235)	105 (221)	153 (307)
Heat Distortion	ASTM D648	1/4", 120°C/hr	°C (°F)	100 (212)	86 (186)	125 (257)
Flammability	UL 94			1/16"HB	1/16"HB	V-2

The above data only represents in common currency data, does not represent each product the specification value, if needs to go a step further information, please contact this company.