

Physical Properties

Property*	Conditions*	ASTM Method	Units*	Value* - 3mm Sheet	Value* - 10mm Sheet
Physical					
Water absorption	23°C	D-570	%	0.5	0.8
Density			g/cm ³	0.65-0.7	0.55-0.6
Mechanical					
Tensile strength at yield	10mm/min	D-638	MPa	16	11
Elongation at break	10mm/min	D-638	%	30	20
Flexural strength at yield	10mm/min	D-790	MPa	28	22
Flexural modulus	10mm/min	D-790	MPa	900	900
Impact strength notch charpy	23°C	D-256	J/m	29	17
Thermal					
Service temperature			°C	-10 to 55	-10 to 55
Heat deflection temperature		D-648	°C	63	63
VICAT softening temperature	Load: 264psi	D-1525	°C	75	75
Coefficient of linear thermal expansion	Load: 11Kg	D-696	cm/cm°C	6.7	6.7
Thermal conductivity		C-177	W/mk	0.07	0.07