

PROWANG® PROLIGHT PVC RIGID FOAM SHEET

Certification of ISO 9001:2008. Made in Taiwan Qualification.

PROPERTIES

Kind	Item	Method	Unit	Value
Mechanical	Thickness	-	mm	10-15
	Density	ASTM D792	g/cm ³	0.55 ± 0.03
	Tensile Strength	ASTM D638	kg/cm ²	129
			Mpa	12.7
			psi	1833
	Flexural Strength	ASTM D790	kg/cm ²	228
			Mpa	22.4
			psi	3240
	Compressive Strength	ASTM D695	kg/cm ²	130
			Mpa	12.5
			psi	1815
	Compressive Stress For A Compressive Strain Of 30%	ASTM D695	kg/cm ²	230
			Mpa	22.6
psi			3268	
Modulus Of Elasticity	ASTM D638	kg/cm ²	13710	
		Mpa	1345	
		psi	194827	
Hardness	ASTM D676	SHORE D	75	
Impact Strength (+20°C)	ASTM D256	kg-cm/cm ²	1.5	
		Mpa	0.147	
		psi	21.33	
Thermal	Vicat Softening Temperature	ASTM D1525	°C	73
	Coefficient Of Linear Thermal Expansion (From -30°C to +50°C)	ASTM D696	mm/m°C	6.583x10 ⁻⁵
	Heating Deflection Temperature	ASTM D648	°C	70.8
	Thermal Conductivity (From 0°C to +60°C)	ASTM C518	w/mk	0.0768
Electrical	Volume Resistivity	ASTM D257	Ω.cm	2.4041x10 ¹⁵
	Surface Resistance	ASTM D257	Ω	8.4083x10 ¹⁵
	Dielectric Strength	JIS K6911	kv/cm	2.15
Fire Behavior	Vertical Burning Test	UL-94	-	V-0
	Antiflaming Test	CNS-7614	-	Remaining flame time (sec) 0 Embers time (sec) 0

