

FRP Flat Sheet Data Sheet

A. Mechanical test data

Test Item	Unit	Result
Tensile Stress	MPa	122.8
Tensile Modulus	MPa	8470
Flexural Stress	MPa	219.9
Flexural Modulus	MPa	8650
Impact Strength	KJ/m ²	80.4
Compressive Stress	MPa	178.8
Coefficient of Thermal Expansion	°C ⁻¹	2.4x10 ⁻⁵

B. Ageing test data

Test condition: Irradiance(300-400nm) 50.6W/m², Black-panel temperature (65±3)°C, Relative humidity (65±5)%, Spray cycle 18min/102min (duration of spraying/dry interval between spraying)

Test Item	Result	
	Change in the appearance	Color change level & ΔE
48H	No powder and crack	4-5, ΔE=1.1
96H	No powder and crack	4, ΔE=3.0
144H	No powder and crack	4, ΔE=4.5
192H	No powder and crack	3-4, ΔE=4.6
240H	No powder and crack	3-4, ΔE=4.0
288H	No powder and crack	3, ΔE=4.2
384H	No powder and crack	3, ΔE=5.8

* A definitive quality guarantee is given in our general conditions of sales. Unless otherwise stated, these values represent averages taken from samples, We reserve the right of technical alterations.