

Product Data Sheet

Mechanical Properties

Tensile strength	80 Mpa	(ISO 527-1/2-93)
Flexural strength	120 Mpa	(ISO 178-93)
Impact strength (Izod notched)	45 Kj/m²	(ISO 180-93)
Tensile modulus	8000 Mpa	(ISO 527-1/2-93)
Flexural modulus	7000 Mpa	(ISO 178-93)
Hardness (Barcol 934-1)	40-45	(ASTMD-2583-87)
Tensile elongation	1.8%	(ISO 527-1/2-93)

Thermal Properties

Co-efficient of linear expansion	26 X 10⁻⁶ /°C
Thermal co-efficient (k)	0.2 W/mK
Operating temperature	Upto 80°C

Physical Properties

Water absorption (7 days)	31 mg. (BS 2782, Part 4: Method 430 A-83)
Dimensional tolerance	Length: ± 5 mm Width: ± 10 mm

PRECAUTIONS

- Our normal soaker panels (less than 4 mm thick) are not suitable for being walked or crawled over. (For foot traffic, sheets have to be specifically manufactured).
- The length of panel should be such that each end of panel must rest on the adjacent purlins & properly overlapped with adjacent sheets for best result.

