



# TECHNICAL SPECIFICATIONS

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Total Quality. Assured.

## PLASTIC JOISTS

## 3.4M JOISTS

CHARACTERISTIC	REFERENCE	UNIT
Density	ASTM D792-13 Method B	0.90g/cm <sup>3</sup>
Flexural Strength	ASTM D790-10 Method A	17.5MPa
Flexural Modulus	ASTM D790-10 Method A	870MPa
Tensile Modulus	ISO 527-1	280MPa
Tensile Strength	ASTM D638-10	25.6MPa
Water Absorption	ASTM D570-98(2010)ε1	0.02%
Expansion Rate	-30°C to +30°C	0.016 mm / m / Celsius
Coefficient of Friction (Dry)	BS 7976-2	0.58
Coefficient of Friction (Wet)	BS 7976-2	0.46

## PLASTIC JOISTS

## 1.8 - 3.1M JOISTS

CHARACTERISTIC	REFERENCE	UNIT
Density	ASTM D792-13 Method B	0.96g/cm <sup>3</sup>
Flexural Strength	ASTM D790-10 Method A	12.3MPa
Flexural Modulus	ASTM D790-10 Method A	420MPa
Tensile Modulus	ISO 527-1	297MPa
Tensile Strength	ASTM D638-10	25.6MPa
Water Absorption	ASTM D570-98(2010)ε1	0.02%
Expansion Rate	-30°C to +30°C	0.016 mm / m / Celsius
Staple Pullout		1-13kN



It is the customer's responsibility to determine the suitability of PURA COMPOSITES PLASTIC JOISTS for their particular private or commercial installation. PURA COMPOSITES LTD can provide test reports including a report for slip resistance to help.



It is the customers responsibility to determine the suitability of PURA Composites Joist for their particular private or commercial installation. PURA Composites can provide test reports including a report for slip resistance to help. Should your plans include a ramp or incline of any kind it is the customers responsibility to ensure the installation meets Part M regulations ("Access to and use of Buildings") which stipulate the angle of slope required and the interval for rest areas. To assist with extra tread purchase we recommend the tting of Grit Strips to the board surface. Always install boards at right angles to the main direction of travel to make best use of PURA Composites Joist's slip resistant properties.



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