

POLYSTYRENE

DESCRIPTION:

Polystyrene is an expanded, rigid cellular plastic foam material derived from petroleum and natural gas by-products.

USES:

- Void former in building & construction industry
- sign writing
- aquarium industry
- floral industry
- packaging industries

SIZES:

Sheet size: 1800mm x 1200mm

Thickness (mm): 10, 12, 15, 20, 25, 30, 40, 50, 75, 100. (other sizes available to order)

FEATURES & BENEFITS:

- Lightweight
- Easy to handle
- Durable
- Strong
- Long term R-value
- Low water absorption
- Shock absorbent
- Vibration dampener
- Buoyant
- Comparatively inert
- Low combustibility
- No food value for insects & rodents
- Recyclable



TECHNICAL DATA	UNIT	SL	TEST METHOD
Compressive stress at 10% def, min	kPa	70	AS-2498.3
Cross breaking strength, min	kPa	135	AS-2498.4
Rate of vapour trans, max, parallel to rise at 23°C	µg/m2.s	630	AS-2498.5
Max, dimen stability of L,W & TH , 7 days at 70°C	%	1	AS-2498.6
Min Thermal Resis at mean temp of 25°C (50mm)	m2K/W R (50/90)	1.2	AS/NZS 4859.1-2018
Density—nominal	Kg/m3	13.5	n/a
Comp Strength at 1% deformation, max	kPa	23	ASTM D1621
Comp Strength at 5% deformation, max	kPa	59	ASTM D1621
Flexural strength, min	kPa	150	ASTM C203
Elastic modulus, min	kPa	2200	n/a
Water Absorb by total immersion, max	Vol %	4	ASTM C272
Buoyancy Force	Kg/m3	986.5	n/a
Coefficient of thermal expansion	m/m deg K	6.3 x 10-5	ASTM D696

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