

# Technical Data Sheet

## Thermal Expansion Boxes 150 Polyethylene Foam

MATERIAL PROPERTY	MATERIAL DATA	TESTING METHOD
Density	1.5 pcf	ASTM D3375
Compressive Deflection 10% Compression 25% Compression 50% Compression	27 kPa 41 kPa 95 kPa	ASTM D3575
Compression Set	>90%  >80%	EN/ISO 1856  ASTM D3575
Compressive Creep	<10% at 9 kPa	ASTM D3575
Tensile Strength at Peak	210 kPa	ASTM D3575
Tensile Elongation	50%	ASTM D3575
Tear Strength	10 lb/in.	ASTM D3575
Thermal Stability	< 1.5% < 2.0%	ASTM D3575 ISO 2796
Thermal Conductivity	0.07W/m k 0.06W/m k	ASTM D3575 EN 28301, ISO 2581
Water Absorption	1.5 kg/m <sup>2</sup> <3%	ASTM D3575 ISO 2896
Buoyancy	55 pcf	ASTM D3575

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