

Technical Data Sheet

Thermal Expansion Boxes
220 Polyethylene Foam

MATERIAL PROPERTY	MATERIAL DATA	TESTING METHOD
Density	2.2 pcf	ASTM D3375
Compressive Deflection 10% Compression 25% Compression 50% Compression	50 kPa 65 kPa 124 kPa	ASTM D3575
Compression Set	>90%	EN/ISO 1856
	>80%	ASTM D3575
Compressive Creep	<10% at 17.5 kPa	ASTM D3575
Tensile Strength at Peak	220 kPa	ASTM D3575
Tensile Elongation	50%	ASTM D3575
Tear Strength	10 lb/in.	ASTM D3575
Thermal Stability	< 1.5%	ASTM D3575
	< 2.0%	ISO 2796
Thermal Conductivity	0.06W/m k	ASTM D3575
	0.05W/m k	EN 28301, ISO 2581
Water Absorption	1.5 kg/m ²	ASTM D3575
	<3%	ISO 2896
Buoyancy	58 pcf	ASTM D3575

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