

SOF-FORM-PIPE LAGGING

April 2022

TECHNICAL INFORMATION:

Description:

Sof-Form™ Pipe Lagging is a closed cell, electron beam crosslinked, polyolefin foam in tubular shape with an outer skin. The foam is free of heavy metals, plasticisers and CFCs.

Property	Typical Value	Test Method
Density	22 kg/m ₃ (nominal)	Internal
Tensile Strength	3.1 kg/cm ₂ (longitudinal) 1.7 kg/cm ₂ (crosswise)	JIS K6767
Elongation	210% (longitudinal) 122% (crosswise)	JIS K6767
Tear Strength	1.8 kg/cm (longitudinal) 1.1 kg/cm (crosswise)	JIS K6767
Compression Strength	0.29 kg/cm ₂ @ 25% deflection 0.74 kg/cm ₂ @ 50% deflection	Internal
Compression Set	9.1% @ 25% deflection 30.0% @ 50% deflection	JIS K6767
Dimensional Change Heat	-1.78% (longitudinal) -0.80% (crosswise)	70°C, 22h
Water Absorption	0.14 mg/cm ²	JIS K6767
Water Vapour Permeability	5.6 g/m ² , 24h	JIS Z0208
Working Temperature Range	-80 / +100 °C	Internal