Technical Data Sheet
Neolon Full Rolls

Neolon Recycled XPE

Neolon is exclusively available from PJ Bowers Pty Ltd and it's resellers.

Intended Use:

- Use foam as supplied (large roll of chosen thickness Neolon XPE foam).
- Use foam as supplied with Stickback adhesive and/or Foil layer.
- Construction applications: gap filling, expansion joints, insulation.

Trade Names
Neolon, XPE, StickyBack, Foil Foam, Marine Foam

Scientific Name
Cross-linked polyethylene foam

Cell Structure
Crosslinked
Closed Cell

Available Techologies
StickyBack Peel-Off Adhesive
Foil Insulation Layer

Certifications
Fire Retardancy: ASTM 1530.3, BS EN ISO 4589 3:2017

Construction Certification: MRTS77, RTA 3204

Marine Certification: NATA 14722

Testing & Conformance
JIS K-6767
(Japanese Industrial Standards)
ASTM D 3575 (International)

Property	Neolon XPE			
Density (kg/m3)	25 kg/m3			
Hardness JIS Type C	13			
Water Absorption **(Foam is submerged underwater for 48 hours)**	0.00009g/cm^3			
Total Thermal Resistance (R-Value) **(With bonded foil face)**	0.609m^{2}K/W @ 20mm thick		0.343m^{2}K/W @ 12mm thick	
Noise Absorption **(25mm thick sample)**	-30dB@ 100Hz	-5dB@ 630Hz	-27dB@ 2000Hz	-23dB@ 5000Hz
Operating Temperature	Minimum: -70 °C, Maximum 110 °C		Melting Point: 189°C	
Dimensional Change **(When exposed to temperatures and chemcials)**	Length -2%, Width +0.5% **(22 hours at 70°C)**			
	-1.35% **(Heat cycled -30 to +65°C)**			
	-1.4% **(14 days under high octane fuel)**			
	-0.01% **(30 days under 5% Bilge Cleaner Solution)**			
Tensile Strength	210 kPa			
Tear Strength	125 kPa			
Elongation Length @ Break	185% Length		134% Thickness	
Compression Strength	**Force required to compress 25% of a 25mm thick cylinder foam piece**		37kPa	
Compression Set	**Percentage of lost thickness after being compressed by 25% for 70 hours and recovered for 72 hours**		11%	

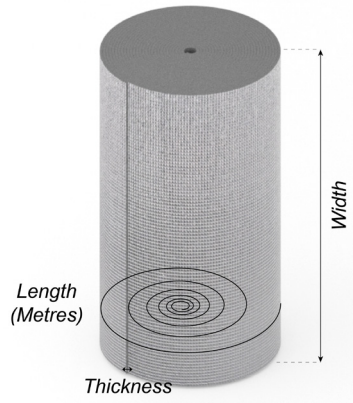
Colours

Medium Grey

Sizes and Weights

Thick-ness	Size	Pack Size	Weight
5mm	1.2 x 12.5 meters	30 x 120cm	2.5Kg
10mm		42 x 120cm	5Kg
15mm		50 x 120cm	7.5Kg
20mm		58 x 120cm	10Kg
25mm		64 x 120cm	12.5Kg
5mm	1.2 x 25 meters	42 x 120cm	5Kg
10mm		58 x 120cm	10Kg
15mm		70 x 120cm	15Kg
20mm		81 x 120cm	20Kg
25mm		90 x 120cm	25Kg
5mm	1.2 x 50 meters	58 x 100cm	10Kg
10mm		81 x 120cm	20Kg
15mm		100 x 120cm	30Kg
20mm		114 x 120cm	40Kg
25mm		127 x 120cm	50Kg

Dimensional Drawing - Roll



PJ Bowers Pty Ltd
(07) 5593 8277
ABN: 40 070 932 455
sales@pjbowers.com.au
pjbowers.com.au