

Chemical Resistance Chart

Neolon Recycled XPE Foam



This document is to present the results of submerging samples of the foam into various chemicals that are relevant to our customers and their industry applications.

Neolon is exclusively available from PJ Bowers Pty Ltd and its resellers.

Trade Names

Neolon, XPE, StickyBack, Foil, Grey Marine Foam

Scientific Name

Cross-linked polyethylene foam

Cell Structure

Cross-linked, Closed Cell

Colours

Medium Grey

Test Sample Size

300 x 300 x 100mm

Testing & Conformance

Method: MSC 87(70) :1998

Resistance tests for Class:
LDFM A

Chemical	Weight Change	Dimension Change	Buoyancy Change	Compliance	Result
10 temperature cycles and High Octane Petroleum (7 Days)	-6%	-1.4%	+2.73% (Day 1) -6.17% (Day 7)	Yes	No Shrinking No Cracking No Swelling No Dissolution No Mechanical Change
100mm under crude oil (14 Days)	+5%	+0.5%	0%	Yes	
100mm under marine fuel oil (grade C) (14 Days)	+3.5%	+0.8%	+1.11%	Yes	
100mm under diesel oil (14 Days)	+4%	+0.2%	-1.84%	Yes	
100mm under high octane petroleum (14 Days)	+2%	+6%	+2.22%	Yes	
100mm under kerosene (14 Days)	+1%	+5%	+2.73%	Yes	
Bilge Cleaner 5% (30 Days)	-1%	0%	-0.57%	Yes	
Petrol (30 Days)	+6%	+13%	-4.49%	Yes	
Oil (30 Days)	+8%	+0.8%	-2.24%	Yes	

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