

Chemical Resistance Chart

EPE Foam



PJBowers

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

Trade Names

EPE, Buoyancy Foam, Packaging Foam, White Foam

Scientific Name

Expanded Polyethylene Sheet

Cell Structure

Non-Crosslinked
Closed Cell

Colours

White, Black (Black is not suitable for outdoor or marine use)

Sample Size

300 x 300 x 50mm

Testing & Conformance

Method: MSC 87(70) :1998

VicLab - Independent Testing
Australia



Chemical	Weight Change	Dimension Change	Buoyancy Change	Compliance	Result
10 temperature cycles and Hi Octane Petroleum (7 Days)	+8%	-2.6%	-0.34% (Day 1) -3.65% (Day 7)	Yes	No Shrinking No Cracking No Swelling No Dissolution No Mechanical Change
100mm under crude oil (14 Days)	+1.5%	+0.5%	-0.71%	Yes	
100mm under marine fuel oil (grade C) (14 Days)	+5.5%	+0.7%	-2.69%	Yes	
100mm under diesel oil (14 Days)	+4%	+0.2%	-1.84%	Yes	
100mm under high octane petroleum (14 Days)	+7%	0%	-3.49%	Yes	
100mm under kerosene (14 Days)	+7%	0%	-3.49	Yes	
Bilge Cleaner 5% (30 Days)	+0.7%	+0.2%	-3.45%	Yes	
Petrol (30 Days)	+5%	+0.5%	-2.59%	Yes	
Oil (30 Days)	+7%	+0.3%	-3.35%	Yes	

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