



Enriching lives through innovation

Customer: Conqueror NZ Ltd

Sample: Conqueror NZ Ltd PIR panel foam

Objective: Samples made in December 2016 at Conqueror NZ Ltd were sent to and tested by Huntsman Polyurethanes Australia.

Results:

Property	Result	Unit	Test Method
Core density	>37	Kg/m ³	ASTM D1622
Foam compressive strength – parallel to rise	>100	kPa	AS1366.2/ASTM 2498.3
Foam compressive strength – perpendicular to rise	>100	kPa	AS1366.2/ASTM 2498.3
Closed cell content	>90	%	AS1366.2/ASTM 2498.7
Dimensional stability	≤3 (70oC/95% RH, 20hrs)	%	AS1366.2/ASTM 2498.6
	≤1(-10oC, 20hrs)	%	AS1366.2/ASTM 2498.6
Water vapour transmission rate	114.9	µg/m ² s	AS1366.2/ASTM 2498.5
Thermal conductivity	0.02143	W/mK	ASTM C518-2010
Flame propagation			
• Median flame duration, Eighth value	0	s	AS1366.2/AS2122.1
	0	s	
• Median mass retained, Eighth value	>90%	%	
	>90%	%	

Signed:

Stephen Grindell

(Senior Technical officer)

Huntsman Polyurethane
Gate 3, 765 Ballarat Rd
Deer Park, VIC 3023
Australia