

# INSULFOAM® Expanded Polystyrene

## PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Insulfoam®

**Product Code(s):** RM\_;

**Product Use:** Insulfoam® Products are manufactured in several sizes, shapes and thicknesses.

**Manufacturer:** Insulfoam Pty Ltd

**ABN:** 39 625 369 815

**Street Address:** 24 Humphries Terrace, Kilkenny SA 5009, Australia

**Emergency Phone:** 08 8246 0105

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## Compliance with AS 1366, Part 3

Australian Standard 1366, Part 3 – 1992 Physical Properties of Rigid Cellular Polystyrene – sets out minimum properties for six classes (see table 1) and methods for determination and compliance. Flexibility in production allows EPS to be produced to this standard or to other requirements that specialized applications may demand.

INSULFOAM® EPS supplied to the market has been subjected to a manufacturing process that upholds the set out standards below.

Physical Property	Unit	Class						TEST METHOD
		L	SL	S	M	H	VH	
Compressive Stress at 10% deformation, min	kPa	50	70	85	105	135	165	AS2498.3
Cross - Breaking Strength ; min.	kPa	95	135	165	200	260	320	AS2498.4
Rate of water vapour transmission ; max - measured parallel to rise at 23°C	µg/m²s	710	630	580	520	460	400	AS2498.5
Dimensional Stability of Length ; max ; -at 70°C, dry conditions ; 7 days	Per cent	1.0	1.0	1.0	1.0	1.0	1.0	AS2498.6
Thermal resistance (min) at a mean temperature of 25°C (50mm Sample)	m²K/W	1	1.13	1.17	1.2	1.25	1.28	AS2464.5 or AS2464.6
Flame Propagation Characteristics :								AS2122.1
-median flame duration ; max	s	2.0	2.0	2.0	2.0	2.0	2.0	
-eight value ; max	s	3.0	3.0	3.0	3.0	3.0	3.0	
-median volume retained ;	Per cent	15	18	22	30	40	50	
-eighth value ; min	Per cent	12	15	19	27	37	47	