

AEROLAM XLPE TECHNICAL DATA

PHYSICAL PROPERTIES

Aerolam XLPE is chemically cross-linked closed cell polyolefin foam with or without facing material and acrylic pressure sensitive adhesive backing

PARAMETER	STANDARD	TEST VALUE	
Density	ASTM D3575	30 KG/M3(+/-5) (Foam core only)	
Thermal Conductivity	IS 3346/ASTM C518	Mean Temperature (°C)	W/mk
		0	0.0318
		23	0.0329
		46	0.0382
Water Vapor Permeability	EN 12086	2.07 x 10 ⁻¹⁵	
Water Vapor Permeance	EN 12086	Almost zero	
Water Absorption by Volume	JIS K6767	0.00056 mg/m ²	
Water Vapour Resistance Factor (μ) - mu	EN 12086	97,900	
Resistance to Fungi	ASTM G21	Zero Growth	
Resistance to Bacteria	ASTM E2180	No Growth	
CFC & HCFC Free	USEPA 8260 B	Comply	
UV Resistance	ASTM G155	Excellent	
Accelerated Weathering Test	ISO 4892	Excellent	
VOC Level (Green Star Rating)	ASTM D5116	0.018 mg/m ² /hr	
Green Pro Certificate	IGBC	GPAIP430001	
ROHS	IEC 62321	Comply	
Resistance to Chemical	ASTM C543	Very Good	



Aerolam Insulations Pvt. Ltd
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FIRE & SMOKE PROPERTIES

PARAMETER	STANDARD	TEST VALUE
Class O	BS 476 Part 6 & 7	Comply
Reaction to Fire (NFPA 90A & B)	ASTM E84	FLAME Spread Index <25
		Smoke Development Index <50
Hot Surface Performance (NFPA 90A & B)	ASTM C411	Comply
European Railway Standard for Fire & Smoke	EN 45545	Comply to R1HL3 Requirement
Fire Classification of Construction Products	EN 13501	Comply to B-s1 d0
Smoke Density	ISO 5659-2	Comply
Deterioration of visibility due to smoke	ULC 564	Class A
Horizontal Burning Test	UL 94**	Approved with HF-1 Class (File No: E 504824)
FM Approval	FM 4924**	COC Approval Identification:3063893

Storage Life:
Must be store in clean, dry room at normal RH (50%-70%) and ambient temperature (0 Deg C to 40 Deg C)

6 Month shelf life for Self-Adhesive rolls/sheets considering date of invoice

Disclaimer: The above information is given in good faith and is based on our current knowledge and information. This however, cannot be consider as guarantee and are request to make their own experiments and confirm before used. This information is presented to the best of our knowledge; we reserve the right to modify it. Data represents typical values measured on tested specimen and type test and should be considered as a guideline only

** Product will be offered as per certified and approval by respective third-party certification bodies.



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