



Superlon products are produced with top qualities and meet various industry standards to ensure insulation performance.

Class 0

High fire performance
Low thermal conductivity
High moisture resistance

When exposed to fire, Superlon Class 0 insulation material remains non-flammable, it does not drip, it does not contribute to fire spread, and it self-extinguishes when fire is removed.

Superlon insulation materials are certified for both class 0 and Class 1. British Standard (BS) 476 part 6 and part 7 Class 0 is a widely accepted test standard. Part 6 (fire propagation) measures the heat that is released under fire conditions. Part 7 (spread of flame) measures the material's ability to retard flame spread under fire conditions.

	Values			Test Methods	
Material	Nitrile Foam Rubber				
Cell Structure	Closed Cell				
Density Range	40kg/m ³ -70kg/m ³				
Service Temperature	Maximum 105 °C pipes / (85 °C for flat surfaces) Minimum -50 °C				
FIRE RESISTANCE					
Surface Spread of Flames	Class 1 Total Index (I) ≤ 12 Sub Index (ii) ≤ 6			BS 476 Part 7 BS 476 Part 6	
Fire Propagation	Class 0			UL 94	
Reaction to Fire	V-0, SVA/HF-1, Self Extinguishing, Does not Drip				
Thermal Conductivity	Mean Temp	-10 °C	0 °C	20 °C	ASTM C518
	W/m.K	0.033	0.034	0.036	
	Btu · in/hr · ft ² · °F	0.23	0.24	0.25	
Water Vapour Permeability	3.59 x 10 ⁻¹⁰ g/Pa.m.s μ ≥ 7000			ASTM E96	
Water Absorption by Volume	0.2%			ASTM C209	
Ozone Resistance	Good				
Corrosion Resistance	No Corrosion				
Environment	Dust and Fibre Free CFC Free, Zero ODP, Zero GWP				

Superlon insulation materials are also available in class 1. Superlon Class 1 can be used for regular household applications.

FM Approved

Prevent Flame Spread
Low Smoke
No Dripping



Superlon's Factory Mutual (FM) Approved insulation material is tested to the highest and most stringent standards and can help to prevent fire propagation at the most critical times. Some FM Approved insulation materials in the market prevent fire propagation; however, drips whilst being burned and may cause other objects nearby to ignite and start burning as well. Superlon FM Approved insulation material is not only non-flammable; it does not drip, does not contribute to fire spread and it self-extinguishes once fire stops.

	Values			Test Methods
Material	Nitrile Foam Rubber			
Cell Structure	Closed Cell			
Density	40kg/m ³ -70kg/m ³			
Service Temperature	Maximum 105 °C pipes / (85 °C for flat Surfaces) Minimum -50 °C			
FM Approved	Pipes up to 2" (50mm) Thickness Sheets up to 1 1/2" (38mm) Thickness			
Thermal Conductivity W/m.K (Btu · in/hr · ft ² · °F) Mean Temp 20 °C	0.036 (0.25)			ASTM C518
Water Vapour Permeability Water Absorption by Volume	3.59 x 10 ⁻¹⁰ g/Pa.m.s μ ≥ 7000 0.2%			ASTM E96 ASTM C209
Ozone Resistance Corrosion Resistance Environment	Good No Corrosion Dust and Fibre Free CFC Free, Zero ODP, Zero GWP			