

Technical Data Sheet

FM Insulation Supplies

Therm O Lag Bio-soluble HD Fibreglass Pipe Sections

Product description : Therm O Lag HD Fibreglass pipe insulation is supplied in 1000mm lengths in various sizes (mm odp) to suit specific (steel & copper) pipe sizes.

Each section is split along one edge to facilitate easy application to pipes

The material can be supplied plain or faced with HD foil facing

Product usage : Insulation of service & process piping operating within the products designated temperature range

Product Density : nom : 80kg/M3 conforming with / tested to ASTM C302

Service Temperature : -18C to +350C ASTM C 411

pH Value : average 8 ASTM C 871

moisture absorption : <2% by weight ASTM C 1104 (M)

Chemical Composition :

SiO ₂	62-63%
Al ₂ O ₃	3.7-4%
Fe ₂ O ₃	0.1-0.2%
CaO	7.5-7.7%
MgO	2.7%
Na ₂ O + K ₂ O	16.8-18.8%
B ₂ O ₃	6%

ref : techdata HD fg

Chemical Neutrality Therm-o-lag HD fibreglass pipe sections are chemically neutral & will not cause nor promote corrosion. The products are suitable for use over austenitic stainless steel (ASTM795-77) when measured in accordance with ASTM C 692-77 (corrosion test) and ASTM C871-77 (chemical analysis)

Fire Resistance Properties when tested to AS/NZS 1530.3 - 1999

refer AWTA Textile Testing Test no. 7-552130 - CN dated 04/05/2007

ignitability index	0	
spread of flame index	0	
heat evolved index	0	
smoke developed index	0-1	see note below

note : smoke developed index is reported as 0-1 due to the inability of the smoke measurement equipment to resolve an index of zero

R-Value from individual tests conducted by BRANZ (May 2007) the following R-values were calculated

thickness nom 25mm	R 0.8
thickness nom 40mm	R1.2
thickness nom 50mm	R1.5

Availability all sizes from 12.7mm odp to 219mm odp in thicknesses 25mm, 40mm & 50mm are usually available from stock

Larger sizes are occasionally stocked or are available on special order (allow 6 - 8 weeks from order date)

Please note : When ordering these goods the buyer must specify within their order "HD Fibreglass Pipe Sections"

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