

TECHNICAL SPECIFICATION

MATERIAL: Trelleborg sound insulation material

<u>Physical properties</u>	<u>Unit</u>	<u>Value</u>	<u>Standard</u>
Colour		Black	
Thickness	mm	2.6	
Weight	kg/m ²	6.7	
Tensile strength	MPa	1.3	ISO 37
Elongation at break	%	95	ISO 37
Modulus at 10 % elongation	MPa	0.7	
Modulus at 50 % elongation	MPa	1.3	
Tear strength	kN/m	8.7	ISO 34 C
Oxygen index	%	26.5	ASTM D 2863-77
Volume change in liquid			ISO 1817:1985 BS 903:Part A16:1987
- Fuel B 72 h/ 23 °C:	%	+4.5	
- Fuel C 72 h/ 23 °C:	%	+15.3	
- ASTM / SIS 1 72 h/ 40 °C:	%	-1.5	
- IRM 903 72 h/ 40 °C*:	%	-0.1	
Stiffness at low temperature, Gehman test			ISO 1432:1988 BS 903:Part A13:1990
- T2	° C	+4	
- T5	° C	+2	
- T10	° C	-8	
- T100	° C	-55	

Test method / Standard:

IMO Resolution A.653(16)

Intention of test:

Documentaion of fire properties

Critical flux at extinguishment, CFE.

Heat for sustained burning, Q_{sb} .

Total heat release, Q_t .

Peak heat release rate, q_p .

CFE	Q_{sb}	Q_t	q_p
[kW/m ²]	[MJ/m ²]	[MJ]	[kW]
16.1	1.1	0.7	2.9

The results given above are average values from three single tests.

Elastomer Laminates