



Thinshield Range

Alumesh - Aluminium Expanded Mesh

Available in 0.5mm and 0.8mm Thicknesses

Alumesh is part of our Thinshield Range, a versatile, highly conductive gasket medium produced by filling an expanded Aluminium mesh with silicone, fluorosilicone or neoprene rubber. Alumesh gaskets provide good 'point contact' where each crossover occurs, while the rubber filler ensures excellent environmental sealing. Alumesh, like nearly all other conductive gasket materials, should not be fixed with a conductive or pressure sensitive adhesive and should be fixed as a friction fit utilising the fixing screws to position the gasket before tightening. If the Aluminium in Alumesh could cause a galvanic reaction we offer Monmesh, a very similar design to Alumesh but using Monel wire.

Advantages:

- Low cost
- No Compression stops
- Easily die-cut
- Gives minimal thickness gasket
- Usually supplied as gaskets, but can also be supplied as sheets
- Good environmental seal
- Good point contact at crossovers

Alumesh	Specification	Temperature range:
Aluminium Mesh	QQ-A-250	
Silicone Rubber	AMS 3220B	-65°c to + 250°c
Fluorosilicone	MIL-R- 25988	-55°c to + 250°c
Neoprene	AMS3222C	-40°c to + 107°c

Shielding	Performance	dB
10KHz	H	45
100 KHz	H	55
1 MHz	H	70
1 MHz	E	>100
10MHz	E	>100
100MHz	E	>100
400MHz	P	100
1 GHz	P	69
10GHz	P	50

To discover more about our Thinshield range or any of our other products, please contact our sales department on the telephone number at the bottom of this sheet or email them on sales@emiseals.com, they will be delighted to help.

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