



3M™ Interam™ Mat Mount 1670HT

Technical Data Sheet



Product Description

3M™ Interam™ Mat Mount 1670HT is a non-intumescent, high temperature, needled polycrystalline fiber mat with low organic binder. Interam Mat Mount 1670HT is a high-performance solution that can be used in a wide range of gap designs, temperature conditions and applications. It is designed for easy canning performance.

Features

- Surface coating for lower push-in forces
- Wide range of operating temperatures (ambient to 1100°C)
- Single layer mat solution for small to large gap designs
- Excellent fiber resiliency for substrate retention
- Excellent erosion resistance
- Moderate peak compression force
- Low thermal conductivity
- Low organic content (approx. 2%)
- Color coating on mat monolith interface surface enables easy visual control during assembly

Applications:

- Ultra-thin wall monoliths
- Close coupled or manifold mounted converters
- System with bigger gap (e.g. 6mm as frequently desired today)
- Light-duty and commercial vehicle applications, including gasoline and diesel particulate filters

Application Density (varies by application)

Target	0.366 g/cm³
Design Range	0.25 - 0.50 g/cm³

Physical Properties

Weight/Areas Available (g/m ²) *		1130	1250	1355	1435	1580	1745	1845	1945	2080	2200
Weight/Area Range (g/m ²)		1017 – 1243	1125 – 1375	1220 – 1491	1292 – 1579	1422 – 1738	1571 – 1920	1661 – 2030	1750 – 2140	1872 – 2288	1980 – 2420
Nominal Thickness (mm)		7.5	7.9	8.3	8.7	9.2	10.0	10.6	11.2	11.9	12.5
Thickness Range (mm)		6.5 – 8.5	6.9 – 8.9	7.3 – 9.3	7.7 – 9.7	8.2 – 10.2	8.8 – 11.2	8.8 – 12.4	9.2 – 13.0	10.0 – 13.8	10.5 – 14.5
Application Gap Area (mm)		3.1	3.4	3.7	3.9	4.3	4.8	5.0	5.3	5.7	6.0
Composition Information	Organic (%)	0.5 – 2.4									
	Fiber (%)	97.6 – 99.5									

* Actual target and design ranges vary by application. Please contact your technical service representative for guidance with your specific application

Regulatory Information

Please refer to the product label and Safety Data Sheet (SDS) for health and safety information before using.

Contact Information

The information provided in this technical document is intended as a guide for these products. For more information or help in selecting a 3M product for an application, please contact your 3M technical service representative or call 1-800-328-1684.

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