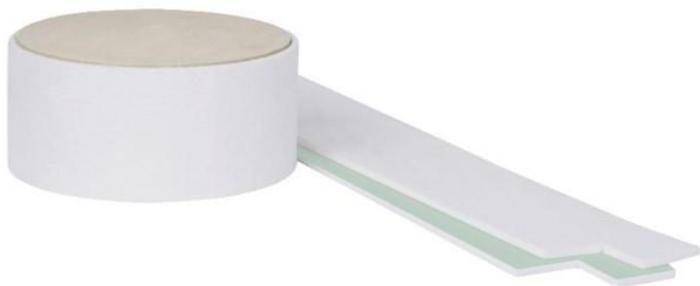


# 3M™ Interam™ Mat Mount 1670HT

## 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/cm <sup>3</sup>
Design Range	0.25 - 0.50 g/cm <sup>3</sup>

## Physical Properties

Weight/Areas Available (g/m <sup>2</sup> ) *	1130	1250	1355	1435	1580	1745	1845	1945	2080	2200
Weight/Area Range (g/m <sup>2</sup> )	1017 – 1243	1125 – 1375	1120 – 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 (%)	97.7 – 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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