

3M™ Interam™ Mat Mount 850HT

Technical Data Sheet



Product Description

3M™ Interam™ Mat Mount 850HT is cost effective, high temperature performance substrate mounting system. Suitable for use on a wide range of gasoline applications (i.e. manifold-mounted, close-coupled, underbody, and particulate filter). It is designed to have improved canning assembly process properties (i.e. reduced shear).

Interam mat mount 850HT is a flexible intumescent mat supplied in a single piece configuration for application gaps ranging from 4.0 to 8.0 mm. The product is designed for improved resiliency and substrate retention over a broad range of temperature conditions, including monolith-mat interface temperature up to 1050°C.

It is designed to be a cost-effective, high-performance alternative to non-intumescent mat mounts.

Features:

- Good retention performance over wide operating temperature range (ambient to 1050°C MMI)
- Reduced thickness and improved canning assembly process properties (reduced shear)
- Reduced organic binder content
- Single part construction for larger mounting gaps 4.0-8.0mm
- Improved handling characteristics
- Lower cost alternative to non-intumescent mat mounts

Applications - Total mount system for:

- Gasoline:
 - Manifold-mounted converters (MMC)
 - Close-coupled converters (CCC)
 - Underbody converters (UCC)
 - Particulate Filters (GPF)
- Low (ambient) to high temperature (1050°C) monolith-mat interface temperatures (MMI)

Application Density (varies by application)

Target	0.63 g/cm ³
Design Range	0.57 - 0.69 g/cm ³

Physical Properties

Weight/Areas Available (g/m ²)*	2520	2835	3150	3465	3780	5165
Weight /Area Range (g/m ²)	2268 - 2772	2552 - 3118	2835 - 3465	3119 - 3812	3402 - 4158	4586 - 5744
Nominal Thickness (mm)	8.6	9.6	10.8	11.9	13.0	17.3
Thickness Range (mm)	7.3 - 9.8	8.2 - 11.1	9.2 - 12.5	10.1 - 13.7	11.0 - 15.0	14.7 - 19.9
Application Gap Target (mm)	4.0	4.5	5.0	5.5	6.0	8.0
Composition Information	Organic (%)	4 - 7				
	Fiber (%)	55 - 70				
	Vermiculite (%)	24 - 39				

* 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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