

3M™ Interam™ Mat Mount 1600HTE

Technical Data Sheet



Product Description

3M™ Interam™ Mat Mount 1600HTE is a high temperature, non-intumescent mat mount and thermal insulation material that is made of high temperature polycrystalline ceramic fibers and an organic binder. Interam mat mount 1600HTE is a proven solution for a wide variety of exhaust emission control applications including substrate mat mount for both light-duty and commercial vehicle applications and low thermal conductivity, high durability performance thermal insulation.

Features:

- Wide operating temperature range (ambient to 1100°C)
- High resiliency
- Excellent erosion resistance
- Low peak holding force
- Low thermal conductivity
- Light weight

Applications - Total mount system for:

- Thin wall monoliths
- Close-coupled or manifold mounted converters
- Diesel applications including diesel filters and truck applications
- Endcone insulation for internally insulated converter designs

Application Density (varies by application)

Target	Light duty: 0.38 g/cm ³ Commercial vehicle: 0.46 g/cm ³
Design Range	0.25 - 0.55 g/cm ³
Insulation Mount Density	0.20 - 0.40 g/cm ³

Physical Properties

Weight/Areas Available (g/m ²)	Weight/Area Range (g/m ²)	Nominal Thickness (mm)	Thickness Range (mm)	Application Gap Target (mm)		Composition Information	
				LD**	CV***	Organic (%)	Fiber (%)
947	852 - 1042	6.7	5.7 - 7.7	2.5	--	3 - 7	93 - 97
1158	1042 - 1274	7.5	6.5 - 8.5	3.0	--		
1284	1156 - 1413	7.9	6.9 - 8.9	3.4	--		
1389	1251 - 1528	8.3	7.3 - 9.3	3.7	--		
1474	1326 - 1621	8.7	7.7 - 9.7	3.9	--		
1621	1459 - 1783	9.2	8.2 - 10.2	4.3	--		
1789	1610 - 1968	10.0	8.8 - 11.2	4.7	3.9		
1895	1706 - 2085	10.6	8.8 - 12.4	5.0	4.1		
2000	1800 - 2200	11.2	9.4 - 13.0	5.3	4.3		
2137	1923 - 2351	11.9	10.0 - 13.8	5.6	4.6		
2263	2037 - 2489	12.5	10.5 - 14.5	6.0	4.9		
2843*	2530 - 3156	15.8	13.4 - 18.2	--	6.2		
3517*	3130 - 3904	18.4	15.6 - 21.2	--	7.6		
3853*	3429 - 4277	20.0	17.0 - 23.0	--	8.4		

*Note: Final basis weight includes Inorganic Lamination (275 g/m²)

**LD: Light duty

***CV: Commercial vehicle

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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