

## Ecoflex® 200M 2HF-D Ecoflex® 200MLB 2HF-D Substrate Support Mats

Ecoflex 200M 2HF-D and Ecoflex 200MLB 2HF-D are automotive support mat products made from M-FIL® polycrystalline fiber. Along with a proven history of long term performance with inlet gas temperature up to 1050°C, Ecoflex 200M 2HF-D and Ecoflex 200MLB 2HF-D also provide superior erosion resistance. This feature adds to a robust design solution without the need of wire-mesh rings or any other type of edge-treatment.

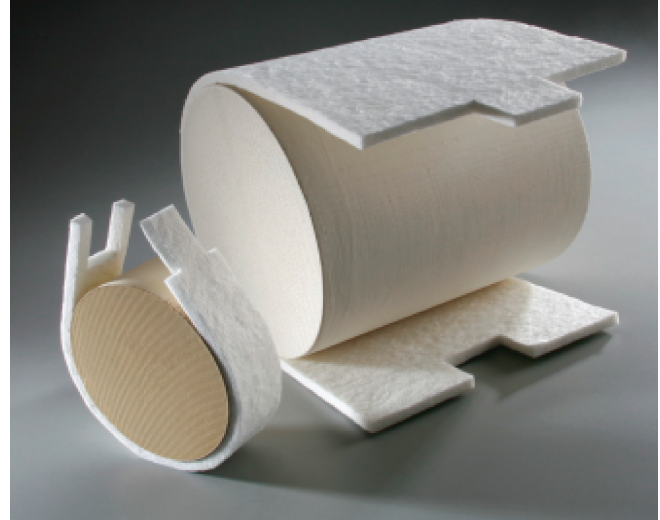
Ecoflex 200M 2HF-D and Ecoflex 200MLB 2HF-D are flexible, have excellent handleability and are easy to assemble through a broad range of different canning techniques. Ecoflex 200M 2HF-D is compatible with cordierite, ultra-thin wall (UTW), silicon carbide (SiC), and alumina titanate (AT) substrates.

Ecoflex 200MLB 2HF-D is specially formulated with a lower organic binder content in order to reduce boardiness. This is designed to improve low temperature holding. Ecoflex 200MLB 2HF-D is supplied scrim to facilitate the canning process.

The unique handling characteristics and proven long term performance offered by Ecoflex 200M 2HF-D and Ecoflex 200MLB 2HF-D make these products the ideal solution for a wide range of emission control devices.

### Target Applications:

- Diesel Oxidation Catalysts (DOC)
- Diesel Particulate Filters (DPF)
- Selective Catalyst Reduction (SCR)
- Underbody Converters (gasoline, diesel and ethanol flex fuel)
- Gasoline Particulate Filters (GPF)



### Physical Properties

Fiber Basis Weight	Bonded Basis Weight		Nominal Free Thickness		Nominal Installed Gap	
	(g/m <sup>2</sup> )	(g/m <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)
	Ecoflex 200M 2HF-D	Ecoflex 200MLB 2HF-D	Ecoflex 200M 2HF-D	Ecoflex 200MLB 2HF-D	Ecoflex 200M 2HF-D	Ecoflex 200MLB 2HF-D
1200	1320	1266	7.3	8.0	3.2	3.0
1500	1650	1583	8.5	8.5	4.0	3.8
1700	1870	1794	10.5	8.5	4.5	4.3
2200	2420	2321	14.5	14.3	5.9	5.6
2700	2970	2849	16.6	16.2	7.2	7.1

Additional basis weights available upon request.

### Typical Composition & Properties

	Ecoflex 200M 2HF-D	Ecoflex 200MLB 2HF-D
M-FIL® Polycrystalline Fibers	90.9%	94.8%
Loss on Ignition	9.1%	5.2%

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## M-FIL Fibers Health and Safety Information

M-Fil Fibers were designed with the expert advice of toxicologists to minimize the potential for biological activity.

The fibers are produced in a novel manufacturing process from a viscous aqueous solution to give a narrow diameter distribution which minimizes the biological activity and avoids respirable fibers.

## Worldwide Technical Support

Unifrax is a worldwide sales and service organization with several international locations and representatives. The services that we provide include thermal modeling, system design engineering assistance, and failure analysis as well as technical exchange programs. For additional information regarding Ecoflex 200M 2HF-D, Ecoflex 200MLB 2HF-D or any of our catalytic support mats, please contact the Unifrax Emission Control Application Engineering Department at 716-768-6461 or [aecoordinator@unifrax.com](mailto:aecoordinator@unifrax.com).

