

Hood Insulator

This application absorbs engine noise, reduces heat transfer to the sheet metal, reduces pass-by noise and adds to the performance of any vehicle's insulator package. It will maintain performance, quality and stability through extreme temperature and climate variations.

TYPICAL USES

- Localized engine compartment noise
- Road noise and cabin acoustics

FEATURES

- Lightweight
- Cost effective
- High-end thermal performance
- High-end acoustical performance
- Durable
- Low tooling costs
- Water resistant
- Allows repeatable end-use installation
- Custom contour shapes
- Fire retardant
- Dimensionally stable
- Resists aging
- High-end thermal conductivity
- Aesthetically pleasing

AVAILABILITY

Molding Medias

MAP is a compression molder of many medias, inquire for custom options.



PROPERTIES

Rotary Fiberglass

Max. Service Temperature	180°C	<i>Higher temps possible with foil treatment.</i>
Thickness Range	2 - 100 mm	
Density Range	18 - 320 kg/m ³	

Textile Fiberglass

Max. Service Temperature	200°C	<i>Higher temps possible with foil treatment.</i>
Thickness Range	2 - 100 mm	
Density Range	18 - 320 kg/m ³	

Sheet Foam

Max. Service Temperature	150°C	<i>Higher temps possible with foil treatment.</i>
Thickness Range	2 - 300 mm	
Density Range	13 - 70 kg/m ³	

MAP fiberglass products are made with 60-70% post-consumer recycled glass making them environmentally friendly choices.



- DESIGN OPTION 1**
Static Thermal Performance
Hot Side: 1 Hour at 250° / Cold Side: 105°
- DESIGN OPTION 2**
Static Thermal Performance
Hot Side: 1 Hour at 250° / Cold Side: 96°
- DESIGN OPTION 3**
Static Thermal Performance
Hot Side: 1 Hour at 250° / Cold Side: 92°
- DESIGN OPTION 4**
Static Thermal Performance
Hot Side: 1 Hour at 250° / Cold Side: 132°
- DESIGN OPTION 5**
Static Thermal Performance
Hot Side: 1 Hour at 250° / Cold Side: 127°
- DESIGN OPTION 6**
Static Thermal Performance
Hot Side: 1 Hour at 250° / Cold Side: 109°

ABSORPTION COEFFICIENT				FREQUENCY							
Thickness (mm)	Weight (gsm)	Air Gap (mm)	Scrim Type	250	500	1000	2000	3150	4000	5000	6300
6	610	0	Standard	0.027	0.046	0.095	0.224	0.396	0.464	0.579	0.711
6	610	0	AFR	0.028	0.067	0.152	0.376	0.569	0.756	0.809	0.871
6	610	19	Standard	0.052	0.148	0.374	0.849	0.985	0.924	0.786	0.518
6	610	19	AFR	0.107	0.310	0.475	0.878	0.818	0.783	0.690	0.465
6	610	38	Standard	0.125	0.357	0.785	0.973	0.661	0.295	0.913	0.867
6	610	38	AFR	0.258	0.583	0.730	0.818	0.571	0.423	0.920	0.712
19	610	0	Standard	0.104	0.166	0.370	0.686	0.851	0.852	0.873	0.849
19	610	0	AFR	0.112	0.258	0.639	0.947	0.940	0.893	0.821	0.711
19	610	19	Standard	0.095	0.223	0.528	0.859	0.806	0.695	0.661	0.827
19	610	19	AFR	0.226	0.425	0.930	0.937	0.682	0.557	0.887	0.856
19	1020	0	Standard	0.094	0.185	0.439	0.816	0.977	0.963	0.939	0.940
19	1020	0	AFR	0.106	0.193	0.661	0.910	0.929	0.928	0.850	0.758
19	1020	19	Standard	0.127	0.340	0.711	0.982	0.903	0.817	0.838	0.944
19	1020	19	AFR	0.218	0.497	0.829	0.937	0.777	0.705	0.857	0.929
38	1020	0	Standard	0.141	0.288	0.630	0.921	0.888	0.848	0.834	0.942
38	1020	0	AFR	0.252	0.364	0.947	0.926	0.692	0.752	0.748	0.902

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Contact us for pricing today!