

NG111

LyTherm NG111

NG111 is engineered for use in a wide range of automotive applications. This product is a needle punched composite of polyester fibers and aluminum foil designed to provide excellent heat spreading performance.

Features / Advantages

- ↳ Low tooling costs
- ↳ Short production lead times
- ↳ Wear resistant and moldable
- ↳ Utilizes recyclable materials
- ↳ Excellent compression and recovery
- ↳ Excellent Acoustic properties
- ↳ Uses no fiberglass
- ↳ Thin profile for tight packaging

Applications

- ↳ Floor Covering Systems
- ↳ Battery Insulation
- ↳ Dash Assembly Systems
- ↳ Rear Seat Barriers
- ↳ Trunk/ Luggage Compartments
- ↳ Localized Insulation
- ↳ Commercial Appliances

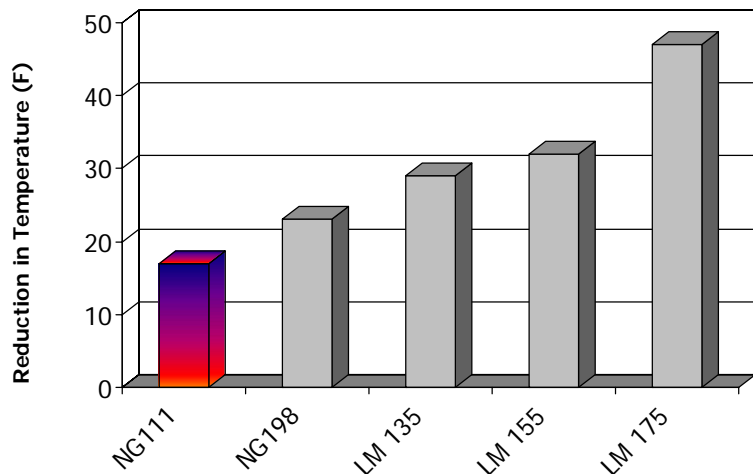


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Typical Properties

MATERIAL TYPE:	Polyester fiber with aluminum foil	
PRODUCT SPECIFICATIONS:	MS-HZ-100-I-T1	DaimlerChrysler
	WSS M99P32-A	Ford
	GM258M, TYPE 1	General Motors
THICKNESS:	0.14 inch (3.7 mm)	
DENSITY:	0.40 kg/m ²	
TEAR STRENGTH:	Machine Direction:	338 N/cm
	Cross Direction:	144 N/cm
TENSILE STRENGTH:	Machine Direction:	75 N
	Cross Direction:	58 N
BURN RATE:	Machine Direction:	All samples SE
	Cross Direction:	All samples SE
THERMAL CONDUCTIVITY (k)	24°C:	0.039 W/m/°K
	93°C:	0.044 W/m/°K
THERMAL RESISTANCE (R)	24°C:	0.09 m ² °K/W
	93°C:	0.08 m ² °K/W

Top of Carpet Temperature Reduction versus shoddy



NOTE: Reduction in temperature versus a carpet system consisting of cotton shoddy only. Floorpan temperature = 360°F. Temperature values measured on top of carpet. SAE J1361 Hot Plate Test Method