

# NG198

## LyTherm NG198

NG198 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

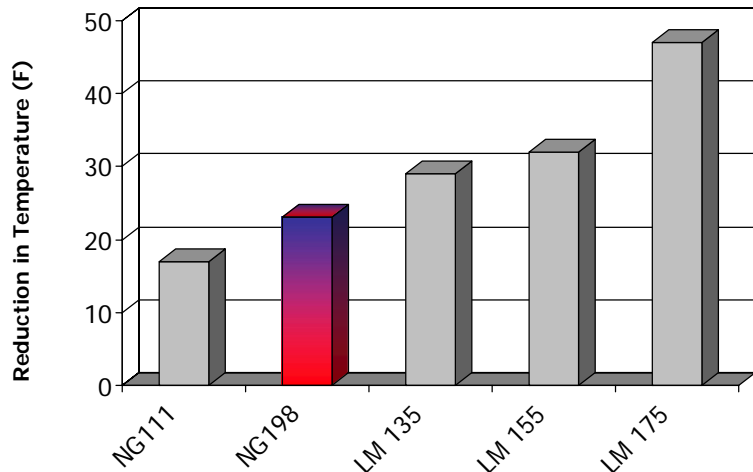


NG198

## Typical Properties

<b>MATERIAL TYPE:</b>	Polyester fiber with aluminum foil	
<b>PRODUCT SPECIFICATIONS:</b>	MS-HZ-100-I-T1	DaimlerChrysler
	WSS M99P32-A	Ford
	GM258M, TYPE 1	General Motors
<b>THICKNESS:</b>	0.29 inch (7.2 mm)	
<b>DENSITY:</b>	0.67 kg/m <sup>2</sup>	
<b>TEAR STRENGTH:</b>	Machine Direction:	227 N/cm
	Cross Direction:	110 N/cm
<b>TENSILE STRENGTH:</b>	Machine Direction:	89 N
	Cross Direction:	103 N
<b>BURN RATE:</b>	Machine Direction:	All samples SE
	Cross Direction:	All samples SE
<b>THERMAL CONDUCTIVITY (k)</b>	24°C:	0.037 W/m/°K
	93°C:	0.043 W/m/°K
<b>THERMAL RESISTANCE (R)</b>	24°C:	0.20 m <sup>2</sup> °K/W
	93°C:	0.17 m <sup>2</sup> °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