



APPLICATION DATA SHEET

PRODUCT: Thermal Dissipating System Low Profile

TDS 100-1
TDS 100-1LS

PRODUCT DESCRIPTION: TDS-LP shields are an alternative to traditional thermal and acoustical heat shields. TDS shields are comprised of high-performance aluminum sheeting, woven fiberglass, an engineered and a unique, high-temperature pressure-sensitive adhesive on the back for attachment.

APPLICATIONS:

- Underbody, (floor pan, rails, aeropanel thermal protection)
- Fuel tank thermal protection
- Sensor protection
- Interior dash and floor thermal protection

FEATURES AND ADVANTAGES:

- Low tooling investment costs
- Ideal for use in areas where limited standard attachments can be used or limited space available
- OEM specification tested
- Rapid prototyping available with short lead times for production
- Eliminate BSR (buzz, squeak, rattle) common of stamped heat shields
- Withstands 250°C (482°F) oven test for 48 hours

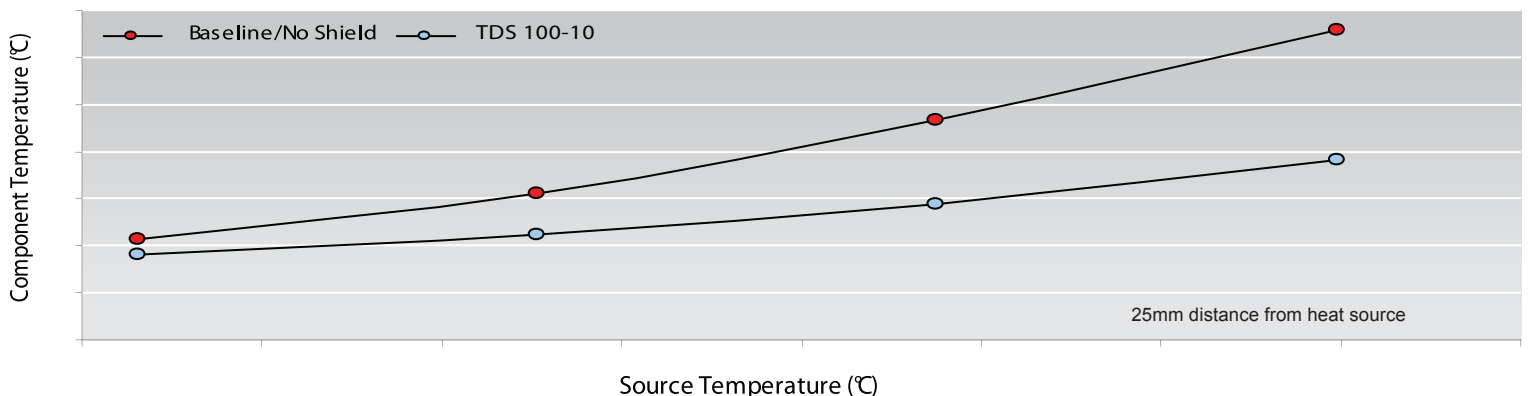
TYPICAL PROPERTIES:

Material Type:	Woven fiberglass core material
Thickness:	0.509mm nominal (0.020)
Foil Thickness:	0.0254mm (0.001)
Weight:	488g/m ² (1.6oz/ff ²)
Peel Adhesion:	PSTC-1 20lbs/in
Mullen Burst: (ASTM-D-3786)	21 kg/cm ²
Tensile Strength: (ASTM-D-5035)	Warp - 35.72 kg/cm Fill - 22.33 kg/cm
Tear Resistance: (ASTM-D-5587)	Warp - 11.34 kg Fill - 11.34 kg

* All Values Approximate

THERMAL PERFORMANCE:

TDSLTP Thermal Performance



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