

APPLICATION DATA SHEET

TDS 300 Series Heat Shield

PRODUCT DESCRIPTION: Argent's TDS shields are an alternative to traditional thermal and acoustical heat shields. TDS shields are comprised of high-performance aluminum sheeting, fiber composite, an engineered and a unique, high-temperature pressure-sensitive adhesive for attachment.

TYPICAL PROPERTIES

Material Type:	Polyester core material
Core Thickness:	3.25mm nominal
Foil Thickness:	0.05mm (0.002) TDS300-2 0.25mm (0.010) TDS300-10
Moisture Absorption:	Pass
7 Day Heat Aging @ 200°C	No Defects
Adhesion to Polypropylene:	25.4 (N/cm)
Flammability:	DNI (Did not ignite) V-0 [SAE J39], [UL94V-0]
Automotive Fluid Resistance:	Pass [ASTM D896]

APPLICATIONS

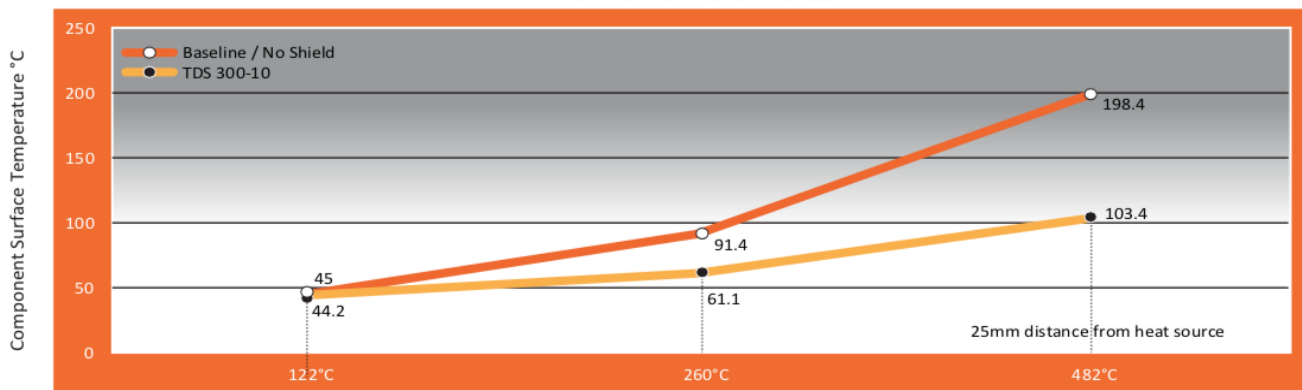
- °Underbody (floor pan, rails, aeropanel thermal protection)
- °Fuel tank protection
- °Sensor protection

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 (buss, squeak, rattle) common of stamped heat shields
- °withstands 250°C (482°F) oven test for 48 hours
- °Available with standard or low surface energy adhesive

*All values approximate

TDS Thermal Performance



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