



EV Therm 288



Technical Data Sheet



Thermal Management Adhesive Technologies

EV Therm 288 is silicone free gap filler, formulated exclusively for EV battery environment. This thermal interface material cures at room temperature or accelerated with heat and provides excellent thermal conductivity, electrical insulation, water resistance, corrosion resistance and impact resistance properties.

Technology/Base:	Silane-Modified Polymer
Type of Product:	Thermally Conductive Gap Filler
Components:	Two Component
Curing:	Polycondensation Curing
Appearance / Color:	Grey
Consistency:	Pasty

Preparation

For some substrates the use of mechanical pretreatment and/or cleaner or primer is necessary to achieve good adhesion. Refer to the product properties section of this data sheet for special surface requirements and suitable adhesion promoters.

Processing

Refer to the technical data table regarding processing parameters. Low temperatures can cause a temporary increase in viscosity resulting in reduced extrusion and slower curing rates.



Features and Benefits



- Very high thermal conductivity
- Free of silicones
- Plasticizer free

- Solvent free
- Ease of Processing
- Low Bond Strength



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Technical Data

Product Properties

Suitable Substrates:

- Various galvanized steels
- Metals
- Various aluminum alloys
- Various steel alloys
- Various other substrates

Surface Requirements:

- Dry, clean, free of grease

Surface Cleaning:

- Use Körasolv GL, Körasolv PU, or Körasolv W

Application Method:

- Cartridge dispenser
- Dispensing system

Cleaning:

- Use Körasolv GL or Körasolv PU

Part A Properties

Physical Properties

Density
Color

2.1 g/cm³
grey

DIN EN 542

Processing Guidelines and Parameters

Storage Temperature

5 °C to 25 °C

Typical Electrical Properties of Cured Material

Physical Properties

Thermal Conductivity
Dielectric Strength

2.1 W/(m·K)
> 10 kV/mn

ASTM D5460-12
ASTM D149

Processing Guidelines and Parameters

Mixing Ratio (Part A : Part B) by Weight
Potlife

1 : 1
3 h

Mixing Ratio (Part A : Part B) by Volume
Processing Temperature

1 : 1
-40°C to 80°C

Cured Material Characteristics

Shore Hardness (Type 00)
Tensile Strength

81
0.2 MPa

ASTM D2240-15
DIN EN ISO 527

Elongation at Break
Tear Strength

35%
1 N/mn

DIN EN ISO 527
DIN ISO 34-1 Type C

Product Properties

Property

Viscosity at 1/s	550 Pas
Viscosity at 10/s	190 Pas
Operating Temperature	-40°C to 80°C
Volume Resistivity	
Lap Shear Strength	



Handling and Clean-Up

Clean tools immediately after use. Once cured, the material can only be removed mechanically. Appropriate cleaners are listed in the product properties table. For further information please contact your local sales office.



Typical Packaging

The preferred packaging for sampling is a tandem cartridge 2x200 ml

5 gal Pails



Storage and Shelf Life

EV Therm 288 should be used within the shelf life specified on the packaging. The storage stability only applies to material stored under appropriate conditions (original unopened containers, recommended storage temperature).

The shelf life is 6 months.



Safety and Disposal

Please see the Safety Data Sheet (SDS) for proper handling and disposal instructions.

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