



# 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.

<b>Technology/Base:</b>	Silane-Modified Polymer
<b>Type of Product:</b>	Thermally Conductive Gap Filler
<b>Components:</b>	Two Component
<b>Curing:</b>	Polycondensation Curing
<b>Appearance / Color:</b>	Grey
<b>Consistency:</b>	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
- Meets UL94V0 Flame Retardancy

- Solvent free
- Ease of Processing
- Low Bond Strength



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# EV Therm 288



## Technical Data

### Product Properties

#### Suitable Substrates:

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

#### 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/cm<sup>3</sup>  
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 D5470-12  
ASTM D149

#### Processing Guidelines and Parameters

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

1 : 1  
5 h  
1 : 1  
15°C to 50°C

#### Cured Material Characteristics

Shore Hardness (Type 00)  
Tensile Strength  
Elongation at Break  
Tear Strength

80  
0.2 MPa  
20%  
1 N/mn

DIN ISO 7619-1  
DIN EN ISO 527  
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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