TECHNICAL DATA SHEET
STYLE No. **SD 2700-090**

SELF LEVELING SILICONE POTTING/ENCAPSULATING SEALANT

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SD 2700-090 is a two component elastomeric potting material designed to be dispensed and cured directly on automotive and industrial components to form a watertight seal. It is resistant to incidental contact with automotive fluids and many industrial chemicals.

SD 2700-090 exhibits superior adhesion to a variety of plastic and metal substrates and is specially formulated for adhesion to photovoltaic (PV) substrates. For these substrates, product will readily wet out to the surfaces and provide an adhesive seal. Available in Black only.

SD 2700-090 is custom engineered to provide ease of mixing and can be mixed by hand or with automated equipment. **SD 2700-090** will cure when properly mixed at room temperature, or can be accelerated with the addition of heat to provide high production rates in manufacturing. **SD 2700-090** is not dependent on atmospheric moisture to cure, and will cure in deep thick sections with minimal shrinkage and no cure by products.

TYPICAL APPLICATIONS - **SD 2700-090** is effective in sealing electrical components requiring weather resistance and temperature extremes. It has a continuous use temperature range of -40^{o}C to 150^{o}C and its UV resistance makes it well suited for solar cell applications.

LIMITATIONS - Do not use **SD 2700-090** in applications where the product will be in constant contact with automotive fluids, fuels, or solvents. Some low-surface-energy plastics such as polyethylene and polypropylene are very difficult to bond to and may require additional treatment to achieve good adhesion. Product is not intended for food-contact or medical applications and is not designed for high-movement joints. Most paints will not adhere to gasket.

TYPICAL PROPERTIES - These values are not intended for use in preparing specifications:
As cured[1]

Durometer	**shore 00**	**65**
Specific Gravity (uncured)		**1.2**
Viscosity part A	**centipoise**	**2900**
Viscosity part B	**centipoise**	**2700**
Cure time, @ 23^{0}C	**hours**	**4**
Cure time, @ 67^{0}C	**minutes**	**5**
Thermal Conductivity	**watts/meter ^{0}K**	**.28**

[1] Mix ratio 1:1 and cured for 4 hours at 23 ^{0}C

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