



ELECTROPORCELAINS DIVISION
BENGALURU – 560012, INDIA

PS 901 02 0006

Rev No : 00

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Purchase Specification
Group : Photovoltaic Module

SILICONE ADHESIVE FOR PV MODULE

- 1.0 Item : SILICONE ADHESIVE FAST CURE TYPE
2.0 Application : For sealing of PV Panel with Aluminium Frames and
Joining of Junction box to the panel

3.0 TYPICAL PROPERTIES

- 3.1 Color : White or Bright White
3.2 Appearance : Uncured: Thixotropic Paste, Cured: Elastic rubber
3.3 Density @23⁰C, g/cm³ : Cured - 1.04 minimum
3.4 Tackfree time @23⁰C : 5 minutes
3.5 Tensile Strength : 1.6 MPa minimum
3.6 Elongation at break : min 430%
3.7 Hardness Type A : 26 minimum
3.8 Adhesive Strength : 1.3 MPa minimum
3.9 Volume Resistivity : 2.0 x 10¹⁵ minimum
3.10 Dielectric Strength : 15 kV/mm minimum
3.11 Temperature Resistance : -55⁰ C to +200⁰ C

NOTE :

The Silicone Adhesive for Solar PV Module shall be certified with TUV / UL.
The Silicone Adhesive shall be non-corrosive to metals
The Silicone Adhesive shall be of low odour type

PACKING CONDITIONS:

1. The Silicon Adhesive shall be supplied in cans of minimum 20 litres each
2. Cans can be palletised and each pallet shall have manufacturers label containing
 - i. Manufacturers Name
 - ii. Product description
 - iii. Lot No
 - iv. Date of Manufacture
 - v. Date of Expiry
3. Final packing box shall have a label containing BHEL Purchase Order No. and Date
4. Each lot must be accompanied with Test Certificate

Prepared By - PK	Reviewed By - NAR	Approved By - CNP	Date of Issue
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