

	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

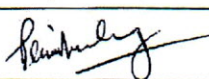
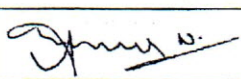
- 3.1 Color : White or Bright White
 3.2 Appearance : Uncured: Thixotropic Paste, Cured: Elastic rubber
 3.3 Density @23°C, g/cm³ : Cured - 1.04 minimum
 3.4 Tackfree time @23°C : 5 minutes
 3.5 Tensile Strength : 1.6 MPa minimum
 3.6 Elongation at break : min 430%
 3.7 Hardness Type A : 26 minimum
 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 : -55°C to +200°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:

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

Prepared By - PK	Reviewed By - NAR	Approved By - CNP	Date of Issue
			12.08.2016