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Photovoltaic Polymeric Materials

E527608

Guide Information

**ENERLITE SOLAR FILMS INDIA PRIVATE LIMITED**

Gut No.714, Waghere Road, Village: Waghere, Taluka: Igatpuri,, Nashik Maharashtra 422403 IN

**E49 HL1 FC**

Ethylene Vinyl Acetate (EVA), furnished as sheets

| <u>Color</u> | <u>Min. Thk</u><br>(mm) | <u>Flame</u><br><u>Class</u> | <u>HWI</u> | <u>HAI</u> | <u>RTI</u><br><u>Elec</u> | <u>RTI</u><br><u>Imp</u> | <u>RTI</u><br><u>Str</u> |
|--------------|-------------------------|------------------------------|------------|------------|---------------------------|--------------------------|--------------------------|
| NC           | 0.45-0.48               | -                            | -          | -          | 50                        | 50                       | 50                       |

Comparative Tracking Index (CTI): -

Dielectric Strength (kV/mm): -

High-Voltage Arc Tracking Rate (HVTR): -

Dimensional Change (%): -

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10<sup>X</sup> ohm-cm): -

High Volt, Low Current Arc Resis (D495): -

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 2022-05-25

Last Revised: 2022-05-25

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**IEC and ISO Test Methods**

| Test Name                      | Test Method         | Units                  | Thk (mm) | Value  |
|--------------------------------|---------------------|------------------------|----------|--------|
| Flammability                   | IEC 60695-11-10     | Class (color)          | -        | -      |
| Glow-Wire Flammability (GWF1)  | IEC 60695-2-12      | °C                     | -        | -      |
| Glow-Wire Ignition (GWIT)      | IEC 60695-2-13      | °C                     | -        | -      |
| IEC Partial Discharge          | IEC 61730-2, MST 15 | Max System Voltage (V) | -        | -      |
| IEC Comparative Tracking Index | IEC 60112           | Volts (Max)            | -        | CTI600 |
|                                |                     | Material Group         |          | I      |
| IEC Ball Pressure              | IEC 60695-10-2      | °C                     | -        | -      |
| ISO Heat Deflection (1.80 MPa) | ISO 75-2            | °C                     | -        | -      |
| ISO Tensile Strength           | ISO 527-2           | MPa                    | -        | -      |
| ISO Flexural Strength          | ISO 178             | MPa                    | -        | -      |
| ISO Tensile Impact             | ISO 8256            | kJ/m <sup>2</sup>      | -        | -      |

|                   |           |                 |   |   |
|-------------------|-----------|-----------------|---|---|
| ISO Izod Impact   | ISO 180   | $\text{kJ/m}^2$ | - | - |
| ISO Charpy Impact | ISO 179-1 | $\text{kJ/m}^2$ | - | - |