

LEF-ES Series

LEF-ES was developed for PV module protection under severe weathering and humidity condition. LEF-ES has been designed especially for crystalline silicone or thin film module by LGC's resin and film processing technology.

Features

▪ PolyOlefin Encapsulant Film

- Excellent Electrical Properties
- No Cross linking Required during Lamination
- No Acetic Acid Gas Generation
- Low Water Vapor Transmission Rate (WVTR)
- Excellent Adhesion to Glass and Backsheet Materials
- Higher Impact Resistance at Lower Temp.
- Good UV Stability and Damp Heat Duration

▪ More Economical Solution

- Shorter Press Cycle
- Reasonable Material Cost

▪ Customizable Solution

- Customized Color, thickness & Properties

LEF-ES		
Thickness (μm)		450
Color		Transparent
Adhesion to Glass (N/15mm)		100
WVTR (38 °C / 90%) ($\text{g}/\text{m}^2 \cdot \text{day}$)		3.5
Volume Resistivity (ohm.cm)		$> 3.0 \times 10^{14}$
Dielectric Strength (V/mil)		> 600
Tensile Elongation (%)	MD	1400
	TD	1400
Tensile Strength (MPa)	MD	7.4
	TD	7.5
Optical Transmittance (%)		> 88
Haze		< 7

The data presented in this material are not guaranteed ones, only experimental ones