

# LG EVA EP28025

Ethylene Vinyl Acetate Copolymer  
LG Chem Ltd.

Message:

- Applications
- Photovoltaic Encapsulant Sheet
- hot Melt Adhesive
- Performance
- Uniform VA Contents and MI
- Excellent optical property
- Low Gel level and strict contaminant control
- Good adhesion property in the solar module

| General Information                       |                                        |                   |                 |
|-------------------------------------------|----------------------------------------|-------------------|-----------------|
| Features                                  | Low speed solidification crystal point |                   |                 |
|                                           | Optical                                |                   |                 |
|                                           | Good adhesion                          |                   |                 |
| Uses                                      | Sheet                                  |                   |                 |
|                                           | Adhesive                               |                   |                 |
| Physical                                  | Nominal Value                          | Unit              | Test Method     |
| Density                                   | 0.951                                  | g/cm <sup>3</sup> | ASTM D1505      |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 25                                     | g/10 min          | ASTM D1238      |
| Vinyl Acetate Content                     | 28.0                                   | wt%               |                 |
| Hardness                                  | Nominal Value                          | Unit              | Test Method     |
| Durometer Hardness (Shore A)              | 76                                     |                   | ASTM D2240      |
| Mechanical                                | Nominal Value                          | Unit              | Test Method     |
| Tensile Strength <sup>1</sup> (Break)     | 9.50                                   | MPa               | ASTM D638       |
| Tensile Elongation <sup>2</sup> (Break)   | 850                                    | %                 | ASTM D638       |
| Thermal                                   | Nominal Value                          | Unit              | Test Method     |
| Vicat Softening Temperature               | 45.0                                   | °C                | Internal method |
| Melting Temperature                       | 69.0                                   | °C                | Internal method |
| NOTE                                      |                                        |                   |                 |
| 1.                                        | 500 mm/min                             |                   |                 |
| 2.                                        | 500 mm/min                             |                   |                 |

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