

# EP28025

## Description

Excellent optical property  
Low Gel level and strict contaminant control  
Good adhesion property in photovoltaic encapsulant

## Application

Photovoltaic Encapsulant(PVEN)

| Properties                      | Method     | Condition          | Unit                | EP28025 |
|---------------------------------|------------|--------------------|---------------------|---------|
| <b>Physical</b>                 |            |                    |                     |         |
| VA Contents                     | LG Method  |                    | %                   | 28      |
| Density                         | ASTM D1505 | Density-Gradient   | g/cm <sup>3</sup>   | 0.95    |
| MFI                             | ASTM D1238 | 190°C, 2.16kg load | g/10min             | 25      |
| <b>Mechanical</b>               |            |                    |                     |         |
| Tensile Strength at break point | ASTM D638  | 50mm/min           | kgf/cm <sup>2</sup> | 9.5     |
| Elongation at break point       | ASTM D638  | 500mm/min          | %                   | 850     |
| Hardeness(Shore A)              | ASTM D2240 | Shore A            |                     | 76      |
| <b>Thermal</b>                  |            |                    |                     |         |
| Melting Temperature             | LG Method  | by DSC             | °C                  | 69      |

## Note

The properties data in this table are typical values, and not guaranteed specification.  
Typical resin property values are measured on a standard compression molded specimens.

## Storage and handling Recommendations

Ethylene Vinyl Acetate Copolymers are available in free-flowing pelletized form designed for use in conventional polymer fabrication systems.  
Ethylene Vinyl Acetate Copolymer storage and handling of these product is extremely important for the products to remain flowable for transport and processing without pellet blocking.

To prevent pellet blocking

- To minimize static load, do not double stack pallets.
- Keeping storage and handling temperature between 10 ~ 25°C.
- Store the resins in the warehouse to protect from exposure to elevated temperature which is not to exceed 35°C.
- Consume the resins on a first in, first out basis.

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