

EVA

EVA for Photovoltaic Encapsulant

▶ E282PV

● Description

E282PV is an extrudable random copolymer of ethylene vinyl acetate made in tubular process for photovoltaic encapsulant application. This grade is designed for extrusion sheet over a wide range of line speed and sheet thickness.

● Characteristics

- ▶ Good transparency
- ▶ Low gels and low impurity level
- ▶ High light transmittance and excellent adhesion
- ▶ High dimensional-stability during lamination

● Applications

- ▶ Solar cell encapsulant sheets for casting processing

● Physical Properties

| Typical Properties | Test Method | Unit | E282PV |
|-----------------------------|--------------|--------------------|--------|
| VA Content | Hanwha Total | wt. % | 28 |
| Melt Index (190 °C/2.16 kg) | ASTM D1238 | g/10min | 25 |
| Density | ASTM D1505 | g/cm ³ | 0.948 |
| Tensile Strength at Break | ASTM D 638 | kg/cm ² | 100 |
| Elongation at Break | ASTM D 638 | % | 890 |
| Hardness (Shore D) | ASTM D2240 | – | 22 |
| Vicat Softening Point | ASTM D1525 | °C | 38 |
| Crystallization Temperature | ASTM D3418 | °C | 49 |
| Melting Temperature | Hanwha Total | °C | 70 |

Data performed by or on behalf of Hanwha Total.

● **Food Contact Application**

- ▶ Hanwha Total EVA E282PV is not intended for use in food-contact and medical applications either.
- ▶ In case you might need additional technical or regulatory information, please contact Hanwha Total Polymer Technical Service Team.

● **Other Informations**

The information in this document can be used for reference only, not to be construed as specification. Customers are responsible for determine whether our product and information is suitable for their particular purpose and for the compliance with related law. HANWHA TOTAL assumes no obligation or liability for the information in this document.

● **Contacts**

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