

# 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 <sup>3</sup>	0.948
Tensile Strength at Break	ASTM D 638	kg/cm <sup>2</sup>	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**

### ▶ **Product Information & Technical Services**

103, Dokgot 2-ro, Daesan-eup, Seosan-si, Chungcheongnam-do,  
Korea, 31900

TEL : 82-41-660-6190      FAX : 82-41-660-6189

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