

# EVA

## EVA for Extrusion Coating

# ► E181L

Hanwha Total's EVA E181L is designed for conventional T-die extrusion coating process. Proprietary polymerization technology in high pressure tubular process show good optical clarity, adhesion properties and low gel level.

To enquire, Visit: [www.jitsy.in](http://www.jitsy.in)

### ● Characteristics

- High-speed coating
- Excellent optical properties
- High adhesion strength
- High productivity
- Low gel level
- Well-balanced drawability and neck-in

### ● Applications

- Extrusion coating for food packaging film, kraft paper, aluminium foil and BOPP film

### ● Physical Properties

Typical Properties	Test Method	Unit	E181L
Melt Index	ASTM D1238 190°C/2.16 kg	g/10min	25
VA Content	Hanwha Total	%	18
Density	ASTM D1505	g/cm <sup>3</sup>	0.940
Tensile Strength at Yield	ASTM D638	kg/cm <sup>2</sup>	125
Elongation at Break	ASTM D638	%	>600
Vicat Softening Point	ASTM D1525, 1kg	°C	56
Melting Point	Hanwha Total	°C	83
Brittleness Temperature	ASTM D746	°C	<-70

Data performed by or on behalf of Hanwha Total

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## ● **General Processing Guide**

- ▶ Hopper zone                      room temperature
- ▶ Barrel temperature            130 ~ 240℃
- ▶ Head temperature              220 ~ 240℃
- ▶ Die temperature                230 ~ 240℃

The actual extrusion conditions will depend on the screw and die design, coating thickness, and throughput rate. Melt temperature higher than 260℃ may result in poor performance of the coating layer.

## ● **Food Contact Application**

- ▶ There may be some limitation to apply Hanwha Total E181L to the food packaging.
- ▶ Thus, the verification on the suitability is necessary. In case you might need additional information, please contact Hanwha Total Polymer Technical Service Team.

## ● **Contacts**

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

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