

# 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*

## ● General Processing Guide

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

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