

EVA

EVA Resin for Film applications

▶ E180A

● Description

E180A is EVA (Ethylene-vinylacetate copolymer) resin for film applications. This grade is designed to be processed in conventional blown film equipment.

● Characteristics

- ▶ Excellent optical property and physical strength
- ▶ Good processability
- ▶ Low F/E & gel level

● Applications

- ▶ Agricultural film
- ▶ Stretch hood
- ▶ Packaging film
- ▶ Multi-layer film

● Physical Properties

▶ Resin Properties

Properties	Test Method	Units	E180A
Melt Index	ASTM D1238	g/10min	0.8
Density	ASTM D1505	g/cm ³	0.940
VA Content	Hanwha Total	%	18
Tensile strength at Break	ASTM D638	kg/cm ²	270
Elongation at Break	ASTM D638	%	750
Shore Hardness	ASTM D2240	D Scale	38
Vicat Softening Point	ASTM D1525 1kg	°C	61
Melting Point	Hanwha Total	°C	86

Data performed by or on behalf of Hanwha Total

▶ Film Properties

Properties	Test Method	Units	E180A
Film thickness	-	μm	50
Tensile strength at break	MD TD	kg/cm ²	350 330
Elongation	MD TD	%	600 800
FDI	ASTM D1709	g	> 600

Data performed by or on behalf of Hanwha Total

* Film was prepared by Blown Film M/C (Temperature 180 °C, BUR 2.0). Actual properties may vary depending upon operation conditions.

● Food Contact Application

- ▶ There may be some limitation to apply Hanwha Total E180A to the food packaging.
- ▶ Thus, the verification on the suitability is necessary. In case you might need additional information, please contact Hanwha Total Customer Service Team.

● Other Information

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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