

EVA

E180A

EVA for general packaging film

Application

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

Characteristics

Excellent mechanical properties, Excellent optical properties (transparency, gloss), Low Fisheye

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238	g/10min	0.8
Density	ASTM D1505	g/cm ³	0.940
VA content	HTC Method	%	18
Melt temperature	HTC Method	°C	86
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	°C	61

Note) Data shown above are representative values for reference purposes only, and not to be construed as specifications.

Film properties

Item	Test Method	Unit	Typical value
Thickness	-	μm	50
Tensile strength at break (MD)	ASTM D882	kg/cm ²	350
Tensile strength at break (TD)	ASTM D882	kg/cm ²	330
Elongation at break (MD)	ASTM D882	%	600
Elongation at break (TD)	ASTM D882	%	800
Dart drop impact strength	ASTM D1709	g	>600

Note) The data is not a standard value as a representative value of the guide data measured using the film molded by our company (extruder condition Blown film M/C, processing temperature of 180°C).

Certification

Hanwha TotalEnergies Petrochemical E180A satisfies the 21 CFR 177.1350 regulations, the food packaging standards of the U.S. Food and Drug Administration(FDA). For further inquiries, please contact Customer Technical Service.

Contact information

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