

EVA

E180L

EVA for transparent film

Application

Film, General film, Eco-friendly sheet

Characteristics

Low Fisheye, Transparency, Excellent processability

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238 (190°C, 2.16kg)	g/10min	2
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	260
Elongation (at break)	ASTM D638	%	750
Shore hardness	ASTM D2240	D Scale	38
Vicat softening point	ASTM D1525	°C	64
Brittleness temperature	ASTM D746	°C	<-70

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	235
Tensile strength at break (TD)	ASTM D882	kg/cm ²	230
Elongation at break (MD)	ASTM D882	%	200
Elongation at break (TD)	ASTM D882	%	750
Haze	ASTM D1003	%	2
Gloss (45°)	ASTM D2457	%	75
Dart drop impact strength	ASTM D1709	g	330

Note) The Data is not a standard value as a representative value of the guide data measured using the film molded by our company (cast equipment, processing temperature of 180°C).

Certification

Hanwha TotalEnergies Petrochemical E180L 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.