

LDPE

642M

LDPE for protective film

Application

Protective film

Characteristics

Low Fisheye, Transparency

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238 (190°C, 2.16kg)	g/10min	3.3
Density	ASTM D1505	g/cm ³	0.926
Tensile strength(at break)	ASTM D638	kg/cm ²	130
Elongation (at break)	ASTM D638	%	700
Brittleness temperature	ASTM D746	°C	< -70
Vicat softening point	ASTM D1525	°C	95
Melt temperature	HTC Method	°C	112.5

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	40
Haze	ASTM D1003	%	6
Tensile strength at break (MD)	ASTM D882	kg/cm ²	230
Tensile strength at break (TD)	ASTM D882	kg/cm ²	160
Elongation at break (MD)	ASTM D882	%	240
Elongation at break (TD)	ASTM D882	%	590
Dart drop impact strength	ASTM D1709	g	65
Blocking force	HTC Method	g/10cm ²	650
Coefficient of friction	ASTM D1894	-	0.25

Note: The above data is the result of measuring a 40 µm film.

Certification

Hanwha TotalEnergies Petrochemical are limitations in applying Hanwha TotalEnergies 642M for food packaging purposes.

For further inquiries, please contact Customer Technical Service.



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