

# 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 <sup>3</sup>	0.926
Tensile strength(at break)	ASTM D638	kg/cm <sup>2</sup>	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 <sup>2</sup>	230
Tensile strength at break (TD)	ASTM D882	kg/cm <sup>2</sup>	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 <sup>2</sup>	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.

## Contact information

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