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℃,2.16kg)	g/10min	3.3
Density	ASTM D1505	g/㎤	0.926
Tensile strength (at break)	ASTM D638	kg/㎠	130
Elongation (at break)	ASTM D638	%	700
Brittleness temperature	ASTM D746	℃	< -70
Vicat softening point	ASTM D1525	℃	95
Melt temperature	HTC Method	℃	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	-	㎛	40
Haze	ASTM D1003	%	6
Tensile strength at break (MD)	ASTM D882	kg/㎠	230
Tensile strength at break (TD)	ASTM D882	kg/㎠	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/10㎠	650
Coefficient of friction	ASTM D1894	-	0.25

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

Certification

There are limitations in applying Hanwha TotalEnergies 642M for food packaging purposes. For further inquiries, please contact Customer Technical Service.

Contact information

Hanwha TotalEnergies Petrochemical Co., Ltd.
www.htpchem.com

Sales Office
(04525) 16F, Hanwha Finance Plaza Bld, 92,
Sejong-daero, Jung-gu, Seoul, Republic of Korea

Customer Technical Service
(31900) 103, Dokgot 2-ro, Daesan-eup, Seosan-si,
Chungcheongnam-do, Republic of Korea
T. 041-660-6143 F. 041-660-6189

Disclaimer

This document is copyrighted by Hanwha TotalEnergies Petrochemical. All information is for reference only and is not the specifications of the final product. Customers should make their own judgments as to whether our products and information serve a particular purpose and what regulations apply to customers' use of such products. Hanwha TotalEnergies Petrochemical is not responsible or obligated for the contents of this document. Hanwha TotalEnergies Petrochemical provides no warranties of any kind, either express or implied (such as merchantability and or fitness for a particular purpose, etc.) with respect to any information contained in this material. Hanwha TotalEnergies Petrochemical may arbitrarily change the contents of this material without prior notice.