LDPE

530G

LDPE for general packaging

Application

General film, Shopping bag, Food packaging film

Characteristics

Transparency

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238 (190℃,2.16kg)	g/10min	2.8
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	%	7
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㎠	240
Coefficient of friction	ASTM D1894	-	0.05

Certification

Hanwha TotalEnergies Petrochemical 530G satisfies the 21 CFR 177.1520 regulations, the food packaging standards of the U.S. Food and Drug Administration(FDA). 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

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