LDPE

LDPE for protective film

431G

Application

Film, Protective film

Characteristics

Excellent mechanical properties, Low Fisheye, Transparency

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238 (190℃,2.16kg)	g/10min	1
Density	ASTM D1505	g/㎤	0.926
Tensile strength (at break)	ASTM D638	kg/㎠	150
Elongation (at break)	ASTM D638	%	740
Brittleness temperature	ASTM D746	℃	< -70
Vicat softening point	ASTM D1525	℃	95
Melt temperature	HTC Method	℃	112

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	%	12
Tensile strength at break (MD)	ASTM D882	kg/㎠	240
Tensile strength at break (TD)	ASTM D882	kg/㎠	180
Elongation at break (MD)	ASTM D882	%	240
Elongation at break (TD)	ASTM D882	%	600
Dart drop impact strength	ASTM D1709	g	70
Blocking force	HTC Method	g/10㎠	600
Coefficient of friction	ASTM D1894	-	0.12

Certification

Hanwha TotalEnergies Petrochemical 431G 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

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