LLDPE

LLDPE for stretch wrap

4141C

Application

Film, Wrap film, General film

Characteristics

Excellent mechanical properties, Excellent optical properties (transparency, gloss), Low Fisheye

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238 (190℃,2.16kg)	g/10min	2.4
Density	ASTM D1505	g/㎤	0.92
Vicat softening point	ASTM D1525	℃	93

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
Tensile strength at break (MD)	ASTM D882	kg/㎠	380
Tensile strength at break (TD)	ASTM D882	kg/㎠	230
Elongation at break (MD)	ASTM D882	%	510
Elongation at break (TD)	ASTM D882	%	625
Elmendorf tear strength (MD)	ASTM D1922	kg/㎠	110
Elmendorf tear strength (TD)	ASTM D1922	kg/㎠	200
Dart drop impact strength	ASTM D1709	g	100
Haze	ASTM D1003	%	0.9

Note: The above data is the result of measuring a 38 μm film.

Processing conditions

Item	Unit	Typical value
Hopper unit	℃	170 ~ 190
Cylinder temperature	℃	180 ~ 230
Head temperature	℃	200 ~ 250
Temperature of Die unit	℃	220 ~ 250

※ Actual temperature conditions vary depending on extruder conditions such as screw type and die structure, film standard, extrusion amount, etc.

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