LLDPE

LLDPE for general packaging

4220S

Application

Film, General film, Packaging

Characteristics

Good Heat-sealing property, High impact strength, Excellent optical properties (transparency, gloss), Slip

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238	g/10min	1
Density	ASTM D1505	g/㎤	0.922
Melt temperature	HTC Method	℃	122

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/㎠	410
Tensile strength at break (TD)	ASTM D882	kg/㎠	320
Tensile strength at yield (MD)	ASTM D882	kg/㎠	100
Tensile strength at yield (TD)	ASTM D882	kg/㎠	110
Elongation at break (MD)	ASTM D882	%	620
Elongation at break (TD)	ASTM D882	%	840
Elmendorf tear strength (MD)	ASTM D1922	kg/㎠	145
Elmendorf tear strength (TD)	ASTM D1922	kg/㎠	370
Dart drop impact strength	ASTM D1709	g	150
Haze	ASTM D1003	%	12
Gloss (45°)	ASTM D2457	%	55

Note) The above data is a representative value for reference and is the result of measuring a 38 μm blown film under condition of Φ50mm extruder, BUR 2.0.

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