LLDPE

4220U

General packaging and agricultural film LLDPE

Application

Film, Agricultural film, General film, Heavy duty bag

Characteristics

Excellent mechanical properties, Good Heat-sealing property, Excellent thin film processability, High impact strength

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238	g/10min	1
Density	ASTM D1505	g/㎤	0.921

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
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.

Processing conditions

Item	Unit	Typical value
Hopper unit	℃	180
Cylinder temperature	℃	190 ~ 200
Head temperature	℃	190 ~ 200
Temperature of Die unit	℃	200 ~ 210

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

Contact information

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