HDPE

HDPE for Film

F920A

Application

Film, General film, Shopping bag, Food packaging film

Characteristics

Excellent mechanical properties, Excellent processability, Transparency, Compatibility with LDPE and LLDPE

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238	g/10min	1.0
Density	ASTM D1505	g/㎤	0.956

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	-	㎛	25
Haze	ASTM D1003	%	20
Gloss (45°)	ASTM D2457	%	40
Tensile strength at yield (MD)	ASTM D882	kg/㎠	500
Tensile strength at yield (TD)	ASTM D882	kg/㎠	350
Tensile elongation at break (MD)	ASTM D882	%	550
Tensile elongation at break (TD)	ASTM D882	%	750
Elmendorf tear strength (MD)	ASTM D1922	kg/㎠	20
Elmendorf tear strength (TD)	ASTM D1922	kg/㎠	500

Note: The above physical property value is a representative value for reference and is not a product quality standard.

Processing conditions

Item	Unit	Typical value
Screw diameter	㎜Φ	50
Die diameter	㎜Φ	100
Blow up ratio	-	2.5
Processing temperature	℃	160 ~ 190

Certification

Hanwha TotalEnergies Petrochemical F920A 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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