

Products Chain

PE

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EVA

LLDPE

W&C Compound

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3120-LLDPE

Total products

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EXTRUSION COATING

INJECTION MOLDING

HANWHA LLDPE 3120 is manufactured by Unipol process and designed for general purpose and agricultural film . LLDPE 3120 has well balanced property of mechanical property, processability and optical property

This product complies with U.S. FDA regulation 21 CFR 177.1520 (c) 3.1.a.

Outstanding Properties

Outstanding Properties	<ul style="list-style-type: none"> Mechanical Property Optical Property Processability
Processing Conditions	<ul style="list-style-type: none"> Melt Temperature : 150 ~ 190 °C Blow-up Ratio : 2 ~ 3 Optimum Gage Range : 0.03 ~ 0.1 mm
Additives	<ul style="list-style-type: none"> Antioxidant, Slip agent, Anti-blocking agent

Resin Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	1.0
Density	g/cc	ASTM D1505	0.920
Vicat Softening Point	°C	ASTM D1525	103
Melting Point	°C	ASTM D3148	122
Tensile Strength at Break	kg/cm ²	ASTM D638	220
Elongation at Break	%	ASTM D638	900
Brittleness Temperature, F ₀	°C	ASTM D746	<-76
Film Properties	Unit	Test Method	Value
Film Thickness	mm	HCC Method	0.03
Tensile Strength at Break (MD/TD)	kg/cm ²	ASTM D882	420/380
Elongation at Break(MD/TD)	%	ASTM D882	650/750
Tensile Tear Strength(MD/TD)	kg/cm	ASTM D1004	120/125
Dart Impact Strength	g	ASTM D1709	140
Haze	%	ASTM D1003	10.0

1. These are typical properties : not to be construed as specification.

2. The value for this property is dependent on part geometry and fabrication conditions.

