

Producer: HANWHA CHEMICAL / KOREA

LLDPE HANWHA 3120

Blown Film Grade

MELT INDEX	1.0
DENSITY	0.920

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

Mechanical Property
Optical Property
Processability

■ Processing Conditions

Melt Temperature : 150 ~ 190 °C
Blow-up Ratio : 2 ~ 3
Optimum Gage Range : 0.03 ~ 0.1 mm

■ Additives

Antioxidant, Slip agent, Anti-blocking agent

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