

HANWHA

Linear Low Density Polyethylene

3224

Blown Film Grade

MELT INDEX

2.0

DENSITY

0.920

HANWHA LLDPE 3224 is manufactured by Unipol process and designed for general purpose and agricultural film . LLDPE 3224 has well balanced property of mechanical property and processability.

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

□ Outstanding Properties

Mechanical 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-block agent

□ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	2.0
Density	g/cc	ASTM D1505	0.920
Vicat Softening Point	°C	ASTM D1525	101
Melting Point	°C	HCC Method	122
Tensile Strength at Break	kg/cm ²	ASTM D638	185
Elongation at Break	%	ASTM D638	940
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	380 360
Elongation at Break	MD TD	%	550 750
Tensile Tear Strength	MD TD	Kg/cm	115 120
Dart Impact Strength	g	ASTM D1709	90
Haze	%	ASTM D1003	12.0

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.



Hanwha Solutions

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