

HANWHA

Linear Low Density Polyethylene

3127

Blown Film Grade

MELT INDEX **1.0**
DENSITY **0.920**

HANWHA LLDPE 3127 is manufactured by Unipol process and designed for lamination film. LLDPE 3127 has well balanced property of optical property and processability.

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

■ Outstanding Properties

Excellent Processability
 Good Optical Property
 Very low slip

■ 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, Polymer Processing Aid

■ Physical 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	HCC Method	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	ASTM D882	430
			380
Elongation at Break	MD TD	ASTM D882	650
			750
Tensile Tear Strength	MD TD	ASTM D1004	120
			125
Dart Impact Strength	g	ASTM D1709	140
Haze	%	ASTM D1003	8

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.



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