

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	kg/cm ²	ASTM D882	MD 430
			TD 380
Elongation at Break	%	ASTM D882	MD 650
			TD 750
Tensile Tear Strength	Kg/cm	ASTM D1004	MD 120
			TD 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.

