

# HANWHA

## Linear Low Density Polyethylene

# 3127D

Blown Film Grade

MELT INDEX

1.0

DENSITY

0.921

HANWHA LLDPE 3127D is manufactured by Unipol process and designed for lamination film. LLDPE 3127D 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	0.921
Vicat Softening Point	°C	ASTM D1525	103
Melting Point	°C	HCC Method	122
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	220
Elongation at Break	%	ASTM D638	900
Brittleness Temperature, F <sub>0</sub>	°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 <sup>2</sup>	430 380
Elongation at Break	MD TD	%	650 750
Tensile Tear Strength	MD TD	Kg/cm	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.

