

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 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.

