

HANWHA

Linear Low Density Polyethylene

3305

Blown Film Grade

MELT INDEX **1.9**
DENSITY **0.922**

HANWHA LLDPE 3305 is manufactured by Spherilene process and designed for general purpose film. LLDPE 3305 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**

Excellent Processability
 Good Mechanical Property

▣ **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	1.9
Density	g/cc	ASTM D1505	0.922
Vicat Softening Point	°C	ASTM D1525	103
Melting Point	°C	HCC Method	125
Tensile Strength at Break	kg/cm ²	ASTM D638	180
Elongation at Break	%	ASTM D638	930
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 380
			TD 350
Elongation at Break	%	ASTM D882	MD 600
			TD 800
Tensile Tear Strength	Kg/cm	ASTM D1004	MD 115
			TD 120
Dart Impact Strength	g	ASTM D1709	90
Haze	%	ASTM D1003	14.0

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.

