

HANWHA

Linear Low Density Polyethylene

3324

Blown Film Grade

MELT INDEX **1.1**
DENSITY **0.911**

HANWHA LLDPE 3322 is manufactured by Spherilene process and designed for heavy duty film. LLDPE 3322 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
 Mechanical Property

■ Processing Conditions

Melt Temperature : 150 ~ 190 °C
 Blow-up Ratio : 2 ~ 3
 Optimum Gage Range : 0.03 ~ 0.2 mm

■ Additives

Antioxidant, Anti-block agent, Slip agent

■ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	1.1
Density	g/cc	ASTM D1505	0.911
Vicat Softening Point	°C	ASTM D1525	98
Melting Point	°C	HCC Method	122
Tensile Strength at Break	kg/cm ²	ASTM D638	200
Elongation at Break	%	ASTM D638	960
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 350
Elongation at Break	%	ASTM D882	MD 650
			TD 700
Tensile Tear Strength	Kg/cm	ASTM D1004	MD 150
			TD 115
Dart Impact Strength	g	ASTM D1709	150
Haze	%	ASTM D1003	14

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.



Hanwha B/D, 1 Changgyo-dong, Chung-ku, Seoul, Korea. Tel : 82-2-729-2700 Fax : 82-2-729-2999