

HANWHA Low Density Polyethylene

5316

Blown Film Grade

MELT INDEX

0.8

DENSITY

0.922

HANWHA LDPE 5316 is manufactured by DOW tubular high pressure process and designed for variety of film application such as greenhouse film. LDPE 5316 has well balanced property of high clarity, mechanical property and processability.

This product complies with U.S. FDA regulation 21 CFR 177.1520 (c) 2.1.

■ Outstanding Properties

Excellent Optical Property
Good Mechanical Property
Good Processability

■ Processing Conditions

Melt Temperature : 140 ~ 180°C
Blow-up Ratio : 2 ~ 3
Optimum Gage Range : 0.05 ~ 0.15 mm

■ Additives

Slip agent, Anti-block agent

■ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	0.8
Density	g/cc	ASTM D1505	0.922
Vicat Softening Point	°C	ASTM D1525	92
Melting Point	°C	HCC Method	110
Tensile Strength at Break	kg/cm ²	ASTM D638	160
Elongation at Break	%	ASTM D638	800
Brittleness Temperature, F ₀	°C	ASTM D746	< -76
Film Properties	Unit	Test Method	Value
Film Thickness	mm	HCC Method	0.05
Tensile Strength at Break	MD TD	kg/cm ²	260 220
Elongation at Break	MD TD	%	280 550
Tensile Tear Strength	MD TD	kg/cm	110 95
Dart Impact Strength	g	ASTM D1709	100
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.



Hanwha Solutions

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