

# HANWHA

## Low Density Polyethylene

# 5306

Blown Film Grade

**MELT INDEX**      **3.0**  
**DENSITY**            **0.921**

HANWHA LDPE 5306 is manufactured by DOW tubular high pressure process and designed for variety of film application such as high transparent package film. LDPE 5306 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 ~ 170°C  
 Blow-up Ratio : 2 ~ 3  
 Optimum Gage Range : 0.025 ~ 0.1 mm

**▣ Additives**

Anti oxidant, Slip agent, Anti-block agent

**▣ Physical Properties**

Physical Properties	Unit	Test Method	Value	
Melt Index	g/10min	ASTM D1238	3.0	
Density	g/cc	ASTM D1505	0.921	
Vicat Softening Point	°C	ASTM D1525	88	
Melting Point	°C	HCC Method	110	
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	110	
Elongation at Break	%	ASTM D638	650	
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	kg/cm <sup>2</sup>	ASTM D882	MD	230
			TD	180
Elongation at Break	%	ASTM D882	MD	350
			TD	550
Tensile Tear Strength	kg/cm	ASTM D1004	MD	90
			TD	85
Dart Impact Strength	g	ASTM D1709	85	
Haze	%	ASTM D1003	4.0	

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.

