

# HANWHA

## Low Density Polyethylene

# 5325

Blown Film Grade

**MELT INDEX**      **4.0**  
**DENSITY**            **0.923**

HANWHA LDPE 5325 is manufactured by ICI autoclave high pressure process and designed for general purpose film. LDPE 5325 has well balanced property of mechanical and optical property.

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

▣ **Outstanding Properties**

Good Optical Property  
 Good Processibility

▣ **Processing Conditions**

Melt Temperature : 140 ~ 170°C  
 Blow-up Ratio : 2 ~ 3  
 Optimum Gage Range : 0.025 ~ 0.1 mm

▣ **Additives**

▣ **Physical Properties**

Physical Properties	Unit	Test Method	Value	
Melt Index	g/10min	ASTM D1238	4.0	
Density	g/cc	ASTM D1505	0.923	
Vicat Softening Point	°C	ASTM D1525	87	
Melting Point	°C	HCC Method	111	
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	115	
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	220
			TD	170
Elongation at Break	%	ASTM D882	MD	300
			TD	550
Tensile Tear Strength	kg/cm	ASTM D1004	MD	90
			TD	80
Dart Impact Strength	g	ASTM D1709	60	
Haze	%	ASTM D1003	5.0	

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.

