

# HANWHA

## Linear Low Density Polyethylene

# 3325W

Blown Film Grade, Cast Film Grade

**MELT INDEX**      **2.0**  
**DENSITY**            **0.911**

HANWHA LLDPE 3325W is manufactured by Spherilene process and designed for variety of film application such as protective film and stretch wrap film. LLDPE 3325W 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 : 0.02 ~ 0.1 mm

▣ **Additives**

Antioxidant

▣ **Physical Properties**

Physical Properties	Unit	Test Method	Value	
Melt Index	g/10min	ASTM D1238	2.0	
Density	g/cc	ASTM D1505	0.911	
Vicat Softening Point	°C	ASTM D1525	96	
Melting Point	°C	HCC Method	121	
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	190	
Elongation at Break	%	ASTM D638	960	
Brittleness Temperature, F <sub>0</sub>	°C	ASTM D746	< -76	
Film Properties	Unit	Test Method	Value	
Film Thickness	mm	HCC Method	0.02	
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D882	MD	400
			TD	350
Elongation at Break	%	ASTM D882	MD	600
			TD	800
Tensile Tear Strength	Kg/cm	ASTM D1004	MD	120
			TD	125
Dart Impact Strength	g	ASTM D1709	120	
Haze	%	ASTM D1003	2.0	

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.

