

# HANWHA

## Low Density Polyethylene

# 830

Blown Film Grade

**MELT INDEX**     **2.0**  
**DENSITY**         **0.921**

HANWHA LDPE 830 is manufactured by DOW tubular high pressure process and designed for variety of film application such as general package film. LDPE 830 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 : 0.030 ~ 0.1 mm

### ▣ Additives

None

### ▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	2.0
Density	g/cc	ASTM D1505	0.921
Vicat Softening Point	°C	ASTM D1525	90
Melting Point	°C	HCC Method	110
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	140
Elongation at Break	%	ASTM D638	750
Brittleness Temperature, F <sub>0</sub>	°C	ASTM D746	< -76
Film Properties	Unit	Test Method	Value
Film Thickness	mm	HCC Method	0.05
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D882	MD 230
			TD 200
Elongation at Break	%	ASTM D882	MD 310
			TD 620
Tensile Tear Strength	kg/cm	ASTM D1004	MD 110
			TD 100
Dart Impact Strength	g	ASTM D1709	95
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.

