

# HANWHA

## Low Density Polyethylene

# 955

Extrusion Coating Grade

**MELT INDEX** 7.7  
**DENSITY** 0.919

HANWHA LDPE 955 is manufactured by autoclave process and designed for variety of extrusion coating application such as flexible packaging, paper coating etc. LDPE 955 is well known for its excellent neck-in, draw-down and high quality assurance.

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

### ▣ Outstanding Properties

Excellent Drawability  
Very Small Neck-in  
Excellent Heat Sealability

### ▣ Processing Conditions

Cylinder : 200 ~ 320 °C  
Adapter/Head : 320 °C  
T-Dies : 320 ~ 330 °C

### ▣ Additives

No Additives

### ▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	7.7
Density	g/cm <sup>3</sup>	ASTM D1505	0.919
Vicat Softening Point	°C	ASTM D1525	85
Melting Point	°C	ASTM D3417	105
Tensile Strength at Yield	kg/cm <sup>2</sup>	ASTM D638	95
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	100
Elongation at Break	%	ASTM D638	450
Brittleness Temperature, F <sub>0</sub>	°C	ASTM D746	<-76
WVTR	g/m <sup>2</sup> /24hrs	ASTM F1249-90	16
Heat Seal Strength <sup>(3)</sup>	kg/cm <sup>2</sup>	-	2.7
Neck-in <sup>(4)</sup>	cm	-	3.0
Allowable Coating Speed <sup>(4)</sup>	m/min.	-	300

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.
3. Layer Structure : PET(12 μm)/Print/LDPE(20 μm)/Al Foil(7 μm)/LDPE 955(20 μm)  
Time/Temperature/Pressure of Sealing : 1.0sec./170 °C/2kg/cm<sup>2</sup>
4. Melt Temperature : 305 °C, Line Speed : 100m/min., Output : 80kg/hr

