

# HANWHA

## Low Density Polyethylene

# 961

Extrusion Coating Grade

**MELT INDEX**     **5.6**  
**DENSITY**         **0.919**

HANWHA LDPE 961 is manufactured by autoclave process and designed for variety of extrusion coating application such as flexible packaging, paper coating etc. LDPE 961 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 : 300 ~ 330°C  
T-Dies : 300 ~ 330°C

### ▣ Additives

No Additives

### ▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	5.6
Density	g/cm <sup>3</sup>	ASTM D1505	0.919
Vicat Softening Point	°C	ASTM D1525	87
Melting Point	°C	ASTM D3417	106
Tensile Strength at Yield	kg/cm <sup>2</sup>	ASTM D638	100
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

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.

