

# HANWHA

## Low Density Polyethylene

# 963

Extrusion Coating Grade

**MELT INDEX**     **10.0**  
**DENSITY**         **0.919**

HANWHA LDPE 963 is manufactured by autoclave process and designed for variety of extrusion coating application such as paper and Tarpaulin coating etc. LDPE 963 is well known for its excellent processability and high quality assurance.

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

### ▣ Outstanding Properties

Excellent Drawability  
Small Neck-in  
Excellent Heat Sealability

### ▣ Processing Conditions

Cylinder : 200 ~ 315°C  
Adapter/Head : 315°C  
T-Dies : 315°C

### ▣ Additives

No Additives

### ▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	10.0
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	90
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	90
Elongation at Break	%	ASTM D638	500
Brittleness Temperature, F <sub>0</sub>	°C	ASTM D746	<-76
Allowable Coating Speed	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.

