

# HANWHA

## Low Density Polyethylene

# 737

Injection Molding Grade

**MELT INDEX**    **22.0**  
**DENSITY**        **0.915**

HANWHA LDPE 737 is manufactured by autoclave process and designed for variety of injection molding application such as houseware, toys etc.. LDPE 737 is well known for its excellent processing characteristics and high quality assurance.

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

### □ Outstanding Properties

Good Processability  
Good Clarity and Surface Gloss  
Excellent Low Temperature Brittleness

### □ Processing Conditions

Melt Temperature : 160 ~ 280 °C  
Mold Temperature : 10 ~ 60 °C  
Injection Pressure : 30 ~ 100 kgf/cm<sup>2</sup>

### □ Additives

No Additives

### □ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	22
Density	g/cm <sup>3</sup>	ASTM D1505	0.915
Vicat Softening Point	°C	ASTM D1525	82
Melting Point	°C	DSC Method	103
Tensile Strength at Yield	kg/cm <sup>2</sup>	ASTM D638	90
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	>85
Elongation at Break	%	ASTM D638	>400
Brittleness Temperature, F <sub>0</sub>	°C	ASTM D746	<-62
Hardness	Shore D	ASTM D1706	44
Mold Shrinkage	%	-	1 ~ 3

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.



**Hanwha Solutions**

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