

# HANWHA

## Linear Low Density Polyethylene

# 7635

Injection Molding Grade

**MELT INDEX**      **20.0**  
**DENSITY**          **0.924**

HANWHA LLDPE 7635 is manufactured by Unipol process and designed for variety of injection molding application such as housewares, toys etc.. LLDPE 7635 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 Mechanical Strength  
Environmental Stress Crack Resistance

### □ Processing Conditions

Melt Temperature : 180 ~ 300 °C  
Mold Temperature : 10 ~ 60 °C  
Injection Pressure : 30 ~ 150 kgf/cm<sup>2</sup>

### □ Additives

Antioxidant

### □ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	20
Density	g/cm <sup>3</sup>	ASTM D1505	0.924
Vicat Softening Point	°C	ASTM D1525	95
Melting Point	°C	DSC Method	124
Tensile Strength at Yield	kg/cm <sup>2</sup>	ASTM D638	110
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	112
Elongation at Break	%	ASTM D638	650
Brittleness Temperature, F <sub>0</sub>	°C	ASTM D746	<-76
Hardness	Shore D	ASTM D1706	53
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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