

# HANWHA Low Density Polyethylene

# 5602S

Blow Molding Grade

**MELT INDEX      0.8**  
**DENSITY          0.921**

HANWHA LDPE 5602S is manufactured by tubular process and designed for variety of blow molding application such as food package, small bottles etc.. LDPE 5602S 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

## ▣ Processing Conditions

Melt Temperature : 160 ~ 220 °C  
Mold Temperature : 10 ~ 50 °C  
Blow Pressure : 2 ~ 8 kgf/cm<sup>2</sup>

## ▣ Additives

Slip agent(400ppm)

## ▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	0.8
Density	g/cm <sup>3</sup>	ASTM D1505	0.921
Vicat Softening Point	°C	ASTM D1525	92
Melting Point	°C	DSC Method	111
Tensile Strength at Yield	kg/cm <sup>2</sup>	ASTM D638	100
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	140
Elongation at Break	%	ASTM D638	700
Brittleness Temperature, F <sub>0</sub>	°C	ASTM D746	<-76
Hardness	Shore D	ASTM D1706	50

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**

Hanwha B/D, 1 Changgyo-dong, Chung-ku, Seoul, Korea. Tel : 82-2-729-1292 Fax : 82-2-729-3000