

# HANWHA

## High Density Polyethylene

# 7600

Injection Grade

**MELT INDEX**      **6.5**  
**DENSITY**            **0.960**

HANWHA HDPE 7600 is manufactured by Spherilene process and designed for variety of injection application such as silicon cartridges, pails and pallets. HDPE 7600 has well balanced property of mechanical property and processability.

This product complies with U.S. FDA regulation 21 CFR 177.1520 (c) 3.1.a.

### ▣ Outstanding Properties

Excellent Processability  
Good Mechanical Property

### ▣ Processing Conditions

Melt Temperature : 200 ~280 °C  
Injection Pressure : up to maximum  
Back Pressure : 5 ~ 150 bar  
Injection Speed : depends on injection process  
Shrinkage Range : 1.5~3 %  
Mold Temperature : 10 ~ 60 °C

### ▣ Additives

Antioxidant

### ▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	6.5
Density	g/cm <sup>3</sup>	ASTM D792	0.960
Melting Point	°C	ASTM D3418	133
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	340
Elongation at Break	%	ASTM D638	170
Impact Strength	kg·cm/cm	ASTM D256	3.3
Sexant Modulus	kg/cm <sup>2</sup>	ASTM D790	9440
Hardness(Shore D)	-	ASTM D2240	56
Vicat Softening Point	°C	ASTM D1525	126

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..

