

HANWHA

Low Density Polyethylene

749

Injection Molding Grade

MELT INDEX **6.0**
DENSITY **0.919**

HANWHA LDPE 749 is manufactured by tubular process and designed for variety of injection molding application such as cap liner etc.. LDPE 749 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

▣ Processing Conditions

Melt Temperature : 160 ~ 280 °C
Mold Temperature : 10 ~ 60 °C
Injection Pressure : 30 ~ 100 kgf/cm²

▣ Additives

No Additives

▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	6
Density	g/cm ³	ASTM D1505	0.919
Vicat Softening Point	°C	ASTM D1525	94
Melting Point	°C	DSC Method	109
Tensile Strength at Yield	kg/cm ²	ASTM D638	100
Tensile Strength at Break	kg/cm ²	ASTM D638	95
Elongation at Break	%	ASTM D638	600
Brittleness Temperature, F ₀	°C	ASTM D746	<-70
Hardness	Shore D	ASTM D1706	48
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.

