

HANWHA

Low Density Polyethylene

724

Injection Molding Grade

MELT INDEX **45.0**
DENSITY **0.915**

HANWHA LDPE 724 is manufactured by autoclave process and designed for variety of injection molding application such as artificial flower, lids etc.. LDPE 724 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

Excellent Processability
Good Clarity and Surface Gloss

▣ 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 | 45 |
| Density | g/cm ³ | ASTM D1505 | 0.915 |
| Vicat Softening Point | °C | ASTM D1525 | 80 |
| Melting Point | °C | DSC Method | 103 |
| Tensile Strength at Yield | kg/cm ² | ASTM D638 | 80 |
| Tensile Strength at Break | kg/cm ² | ASTM D638 | 80 |
| Elongation at Break | % | ASTM D638 | 300 |
| Brittleness Temperature, F ₀ | °C | ASTM D746 | <-45 |
| Hardness | Shore D | ASTM D1706 | 42 |
| 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.

