

HANWHA

Linear Low Density Polyethylene

4300S

Blown Film Grade

MELT INDEX **1.0**
DENSITY **0.924**

HANWHA LLDPE 4300S is manufactured by Unipol process and designed for general purpose and agricultural film . LLDPE 4300S has well balanced property of mechanical property, processability and optical property

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

▣ **Outstanding Properties**

Mechanical Property
 Optical Property
 Processability

▣ **Processing Conditions**

Melt Temperature : 150 ~ 190 °C
 Blow-up Ratio : 2 ~ 3
 Optimum Gage Range : 0.03 ~ 0.1 mm

▣ **Additives**

Antioxidant, Slip agent, Anti-block agent

▣ **Physical Properties**

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	1.0
Density	g/cc	ASTM D1505	0.924
Vicat Softening Point	°C	ASTM D1525	103
Melting Point	°C	HCC Method	123
Tensile Strength at Break	kg/cm ²	ASTM D638	220
Elongation at Break	%	ASTM D638	900
Brittleness Temperature, F ₀	°C	ASTM D746	< -76
Film Properties	Unit	Test Method	Value
Film Thickness	mm	HCC Method	0.03
Tensile Strength at Break	kg/cm ²	ASTM D882	MD 440
			TD 380
Elongation at Break	%	ASTM D882	MD 650
			TD 900
Tensile Tear Strength	Kg/cm	ASTM D1004	MD 160
			TD 160
Dart Impact Strength	g	ASTM D1709	60
Haze	%	ASTM D1003	5.0

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.

