

HANWHA

Linear Low Density Polyethylene

4200D

Blown Film Grade

MELT INDEX 1.6
DENSITY 0.920

HANWHA LLDPE 4200D is blended by LDPE with LLDPE and designed for lamination film. LLDPE 4200D has well balanced property of optical property and processability.

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

▣ Outstanding Properties

Excellent Processability
Good Optical Property

▣ Processing Conditions

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

▣ Additives

Antioxidant, Slip agent, Anti-blocking agent

▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	1.6
Density	g/cc	ASTM D1505	0.920
Vicat Softening Point	℃	ASTM D1525	98
Melting Point	℃	HCC Method	-
Tensile Strength at Break	kg/cm ²	ASTM D638	170
Elongation at Break	%	ASTM D638	800
Brittleness Temperature, F ₀	℃	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 350
			TD 310
Elongation at Break	%	ASTM D882	MD 700
			TD 800
Tensile Tear Strength	kg/cm	ASTM D1004	MD 140
			TD 150
Dart Impact Strength	g	ASTM D1709	80
Haze	%	ASTM D1003	6.0

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.

