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	MD	kg/cm^2	ASTM D882	350
	TD			310
Elongation at Break	MD	%	ASTM D882	700
	TD			800
Tensile Tear Strength	MD	Kg/cm	ASTM D1004	140
	TD			150
Dart Impact Strength		G	ASTM D1709	80
Haze		%	ASTM D1003	3.0

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.

Hanwha Solutions

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