

HANWHA

Metalocene LLDPE

M1835HN

Cast Stretch wrap, Diaper Film, Cast Film
Blown Film

MELT INDEX **3.5**
DENSITY **0.916**

HANWHA mLLDPE M1835HN is manufactured by Unipol process and designed for cast stretch wrap and diaper film production. mLLDPE M1835HN 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
Low Temperature Sealing Property
Optical Property
Processability

▣ Processing Conditions

Melt Temperature : 150 ~ 250 °C
Optimum Gage Range : 0.01 ~ 0.1 mm

▣ Additives

Antioxidant

▣ Physical Properties

Physical Properties	Unit	Test Method	Value	
Melt Index	g/10min	ASTM D1238	3.5	
Density	g/cc	ASTM D1505	0.916	
Vicat Softening Point	°C	ASTM D1525	99	
Melting Point	°C	HCC Method	119	
Tensile Strength at Break	kg/cm ²	ASTM D638	420	
Elongation at Break	%	ASTM D638	770	
Brittleness Temperature, F ₀	°C	ASTM D746	< -76	
Film Properties	Unit	Test Method	Value	
Film Thickness	mm	HCC Method	0.05	
Tensile Strength at Break	kg/cm ²	ASTM D882	MD	440
			TD	440
Elongation at Break	%	ASTM D882	MD	750
			TD	790
Elmendorf Tear Strength	Kg/cm	ASTM D1004	MD	780
			TD	870
Dart Impact Strength	g	ASTM D1709	400	
Haze	%	ASTM D1003	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.

