

# HANWHA

# M2535HN

## Metallocene LLDPE

Cast Film Grade

**MELT INDEX**  
**DENSITY**

**4.0**  
**0.925**

HANWHA mLLDPE M2535HN is manufactured by Unipol process and designed for diaper film production. mLLDPE M2535HN has excellent mechanical property and stiffness.

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

### ▣ Outstanding Properties

Mechanical Property  
Stiffness  
WVTR

### ▣ Processing Conditions

Melt Temperature : 180 ~ 270 °C  
Optimum Gage Range : 0.015 ~ 0.050 mm

### ▣ Additives

Antioxidant

### ▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	4.0
Density	g/cc	ASTM D1505	0.925
Vicat Softening Point	°C	ASTM D1525	101
Melting Point	°C	HCC Method	120
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	320
Elongation at Break	%	ASTM D638	890
Film Properties	Unit	Test Method	Value
Film Thickness	mm	HCC Method	0.03
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D882	MD 480
			TD 320
Elongation at Break	%	ASTM D882	MD 470
			TD 480
Elmendorf Tear Strength	Kg/cm	ASTM D1004	MD 310
			TD 370
Dart Impact Strength	g	ASTM D1709	310
Haze	%	ASTM D1003	15

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.

