

HANWHA

Metalocene LLDPE

V1408DN

Blown Film Grade

MELT INDEX **0.8**
DENSITY **0.913**

HANWHA mLLDPE V1408DN is manufactured by Unipol process and designed for lamination film and general packaging film. mLLDPE V1408DN has good low temperature sealing property and 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
 Low Temperature Sealing Property

▣ **Processing Conditions**

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

▣ **Additives**

Antioxidant, Processing Aid

▣ **Physical Properties**

Physical Properties	Unit	Test Method	Value	
Melt Index	g/10min	ASTM D1238	0.8	
Density	g/cc	ASTM D1505	0.914	
Vicat Softening Point	°C	ASTM D1525	95	
Melting Point	°C	HCC Method	120	
Tensile Strength at Break	kg/cm ²	ASTM D638	450	
Elongation at Break	%	ASTM D638	710	
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	500
			TD	430
Elongation at Break	%	ASTM D882	MD	550
			TD	580
Elmendorf Tear Strength	Kg/cm	ASTM D1004	MD	550
			TD	760
Dart Impact Strength	g	ASTM D1709	>1500	
Haze	%	ASTM D1003	10	

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.

