

# HANWHA

## Metalocene LLDPE

# V1408DC

Blown Film Grade

**MELT INDEX**      **0.8**  
**DENSITY**            **0.914**

HANWHA mLLDPE V1408DC is manufactured by Unipol process and designed for lamination film and general packaging film. mLLDPE V1408DC 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, Slip agent, Anti-blocking agent

▣ **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 <sup>2</sup>	ASTM D638	450
Elongation at Break	%	ASTM D638	710
Brittleness Temperature, F <sub>0</sub>	°C	ASTM D746	< -76
Film Properties	Unit	Test Method	Value
Film Thickness	mm	HCC Method	0.05
Tensile Strength at Break	kg/cm <sup>2</sup>	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.

