

Blown Film, Heavy Duty Bags, Shrink Film

MELT INDEX**1.0****DENSITY****0.928**

HANWHA mLLDPE M2710HN is manufactured by Unipol process and designed for heavy duty bags and shrink film. mLLDPE M2710HN 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
Heat Seal Property

□ Processing Conditions

Melt Temperature : 150 ~ 190 °C
Blow-up Ratio : 1.5 ~ 2.5
Optimum Gage Range : 0.10 ~ 0.30 mm

□ Additives

Antioxidant, Anti-blocking agent, Polymer Processing Aid

□ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	1.0
Density	g/cc	ASTM D1505	0.928
Vicat Softening Point	°C	ASTM D1525	102
Melting Point	°C	HCC Method	122
Tensile Strength at Break	kg/cm ²	ASTM D638	400
Elongation at Break	%	ASTM D638	850
Brittleness Temperature, F ₀	°C	ASTM D746	< -76
Film Properties	Unit	Test Method	Value
Film Thickness	mm	HCC Method	0.19
Tensile Strength at Break	MD TD	kg/cm ²	490 510
Elongation at Break	MD TD	%	750 800
Elmendorf Tear Strength	MD TD	Kg/cm ²	1000 1700
Dart Impact Strength	g	ASTM D1709	700
Haze	%	ASTM D1003	25

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**