

HANWHA Low Density Polyethylene

5302

Blown Film Grade

MELT INDEX

0.3

DENSITY

0.922

HANWHA LDPE 5302 is manufactured by DOW tubular high pressure process and designed for variety of film application such as heavy duty and greenhouse film. LDPE 5302 has well balanced mechanical property and processability.

This product complies with U.S. FDA regulation 21 CFR 177.1520 (c) 2.1.

■ Outstanding Properties

Good Mechanical Property
Good Processability

■ Processing Conditions

Melt Temperature : 150 ~ 190°C
Blow-up Ratio : 2 ~ 3
Optimum Gage Range : 0.05 ~ 0.2 mm

■ Additives

Anti-block agent

■ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	0.3
Density	g/cc	ASTM D1505	0.922
Vicat Softening Point	°C	ASTM D1525	94
Melting Point	°C	HCC Method	110
Tensile Strength at Break	kg/cm ²	ASTM D638	175
Elongation at Break	%	ASTM D638	750
Brittleness Temperature, F ₀	°C	ASTM D746	< -76
Film Properties	Unit	Test Method	Value
Film Thickness	mm	HCC Method	0.08
Tensile Strength at Break	MD TD	kg/cm ²	275 235
Elongation at Break	MD TD	%	350 600
Tensile Tear Strength	MD TD	kg/cm	110 90
Dart Impact Strength	g	ASTM D1709	250
Haze	%	ASTM D1003	17.0

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.

