

HANWHA

Low Density Polyethylene

5318

Blown Film Grade

MELT INDEX **3.0**
DENSITY **0.923**

HANWHA LDPE 5318 is manufactured by ICI autoclave high pressure process and designed for general purpose film. LDPE 5318 has well balanced property of mechanical and optical property.

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

■ **Outstanding Properties**

Good Optical Property
 Good Mechanical Property

■ **Processing Conditions**

Melt Temperature : 140 ~ 170°C
 Blow-up Ratio : 2 ~ 3
 Optimum Gage Range : 0.025 ~ 0.1 mm

■ **Additives**

Antioxidant, Slip agent, Anti-blocking agent

■ **Physical Properties**

Physical Properties	Unit	Test Method	Value	
Melt Index	g/10min	ASTM D1238	3.0	
Density	g/cc	ASTM D1505	0.923	
Vicat Softening Point	°C	ASTM D1525	88	
Melting Point	°C	HCC Method	111	
Tensile Strength at Break	kg/cm ²	ASTM D638	120	
Elongation at Break	%	ASTM D638	700	
Brittleness Temperature, F ₀	°C	ASTM D746	< -76	
Film Properties	Unit	Test Method	Value	
Film Thickness	mm	HCC Method	0.03	
Tensile Strength at Break	kg/cm ²	ASTM D882	MD	230
			TD	190
Elongation at Break	%	ASTM D882	MD	300
			TD	550
Tensile Tear Strength	kg/cm	ASTM D1004	MD	95
			TD	90
Dart Impact Strength	g	ASTM D1709	75	
Haze	%	ASTM D1003	7.0	

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.

