

HANWHA

POLYETHYLENE

BLOWN FILM GRADE

3120

LINEAR LOW DENSITY POLYETHYLENE RESIN
FOR GENERAL PURPOSE FILM

MELT INDEX 1.0
DENSITY 0.920

OUTSTANDING PROPERTIES

- Good mechanical properties
- Good processability
- Good drawdown
- Good heat sealability

FABRICATION CONDITIONS

Tubular Film Extrusion

Melt Temperature.....180-210°C

Blow-up Ratio.....2:1-3:1

Optimum Gage Range..... 0.015-0.100mm

ADDITIVES

- Antioxidants, Slip, Antiblock TYPICAL PHYSICAL PROPERTIES¹⁾

Physical Properties ²⁾	Test Method	Typical Value
Melt Index, g/10min	ASTM D1238	1.0
Density, g/cc	ASTM D1505	0.920
Vicat Softening Point, °C	ASTM D1525	103
Ultimate Tensile Strength, kg/cm ²	ASTM D638	220
Ultimate Elongation, %	ASTM D638	900
Film Properties ³⁾	Test Method	0.03mm
Ultimate Tensile Strength, kg/cm ²	ASTM D882	
Machine Direction		430
Transverse Direction		380
Tensile Tear Strength, kg/cm	ASTM D1004	
Machine Direction		115
Transverse Direction		115
Ultimate Elongation, %	ASTM D882	
Machine Direction		650
Transverse Direction		750
Dart Drop Impact Strength, g	ASTM D1709	150
Gloss 45°, %	ASTM D2457	70
Haze, %	ASTM D1003	10
Heat Seal Range, °C	-	130-220

1. These are typical properties : not to be construed as specification.
2. Compression molded samples.
3. The value for this property is only an approximation due to its dependency on part geometry and fabrication conditions.