

HANWHA

POLYETHYLENE

BLOWN FILM GRADE

3123

**LINEAR LOW DENSITY POLYETHYLENE RESIN
FOR HEAVY DUTY FILM**

**MELT INDEX 0.8
DENSITY 0.918**

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, Processing aid

TYPICAL PHYSICAL PROPERTIES¹⁾

Physical Properties ²⁾	Test Method	Typical Value
Melt Index, g/10min	ASTM D1238	0.8
Density, g/cc	ASTM D1505	0.918
Vicat Softening Point, °C	ASTM D1525	104
Ultimate Tensile Strength, kg/ cm ²	ASTM D638	230
Ultimate Elongation, %	ASTM D638	900
Film Properties³⁾	Test Method	0.03mm
Ultimate Tensile Strength, kg/cm ²	ASTM D882	
Machine Direction		440
Transverse Direction		390
Tensile Tear Strength, kg/cm	ASTM D1004	
Machine Direction		115
Transverse Direction		115
Ultimate Elongation, %	ASTM D882	
Machine Direction		600
Transverse Direction		750
Dart Drop Impact strength, g	ASTM D1709	160
Gloss 45°, %	ASTM D2457	65
Haze, %	ASTM D1003	11
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.