

# HANWHA

## POLYETHYLENE

### BLOWN FILM GRADE

# 3125

LINEAR LOW DENSITY POLYETHYLENE RESIN FOR GENERAL PURPOSE FILM      MELT INDEX 1.0  
 DENSITY 0.920

#### OUTSTANDING PROPERTIES

- Good optical 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, Anti-block, Processing aid

#### TYPICAL PHYSICAL PROPERTIES<sup>1)</sup>

Physical Properties <sup>2)</sup>	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 <sup>2</sup>	ASTM D638	220
Ultimate Elongation, %	ASTM D638	900
<b>Film Properties<sup>3)</sup></b>	<b>Test Method</b>	<b>0.03mm</b>
Ultimate Tensile Strength, kg/cm <sup>2</sup>	ASTM D882	430
Machine Direction		380
Transverse Direction		
Tensile Tear Strength, kg/cm	ASTM D1004	115
Machine Direction		115
Transverse Direction		
Ultimate Elongation, %	ASTM D882	650
Machine Direction		750
Transverse Direction		
Dart Drop Impact Strength, g	ASTM D1709	150
Gloss 45°, %	ASTM D2457	85
Haze, %	ASTM D1003	8.0
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.