

# HANWHA POLYETHYLENE BLOWN FILM GRADE

# LLD3304

LINEAR LOW DENSITY POLYETHYLENE RESIN  
FOR AGRICULTURAL, GENERAL PURPOSE FILMS

MELT INDEX 1.1  
DENSITY 0.923

## OUTSTANDING PROPERTIES

- Good Mechanical Properties
- Good Optical Properties
- Good Processability

## FABRICATION CONDITIONS

Tubular Film Extrusion  
Melt Temperature.....170-210℃  
Blow-up Ratio.....2:1-3:1  
Optimum Gage Range..0.015-0.100mm

## ADDITIVES

- Antioxidants, Slip 1200 ppm , Antiblock 2500 ppm

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

Physical Properties	Test Method	Typical Value
Melt Index, g/10min	ASTM D1238	1.1
Density <sup>2)</sup> , g/cc	ASTM D1505	0.923
<b>Film Properties<sup>3)</sup></b>	<b>Test Method</b>	<b>0.025mm</b>
Tensile Strength at Yield, kg/cm <sup>2</sup>	ASTM D882	
Machine Direction		130
Transverse Direction		120
Tensile Strength at Break, kg/cm <sup>2</sup>	ASTM D882	
Machine Direction		410
Transverse Direction		320
Ultimate Elongation, %	ASTM D882	
Machine Direction		550
Transverse Direction		700
Tensile Tear Strength, kg/cm	ASTM D1004	
Machine Direction		110
Transverse Direction		100
Dart Drop Impact Strength, g	ASTM D1709	100
Haze, %	ASTM D1003	10
Heat Seal Range, □	-	130-220

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

**HANWHA CHEMICAL CORP.**

Hanwha B/D, 1 Changgyo-dong, Chung-ku, Seoul, Korea.

Tel : 82-2-729-2821 Fax : 82-2-729-3000