

# HANWHA

## POLYETHYLENE

### BLOWN FILM GRADE

# 3305

LINEAR LOW DENSITY POLYETHYLENE RESIN  
FOR AGRICULTURAL MULCHING FILM

MELT INDEX 1.9  
DENSITY 0.923

#### OUTSTANDING PROPERTIES

- Good Mechanical Properties
- Good Optical Properties
- Good Processability

#### FABRICATION CONDITIONS

Tubular Film Extrusion

Melt Temperature.....170-210°C

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

Optimum Gage Range....0.015-0.100mm

#### ADDITIVES

- Antioxidants, Slip, Antiblock

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

Physical Properties	Test Method	Typical Value
Melt Index, g/10min	ASTM D1238	1.9
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		110
Tensile Strength at Break, kg/cm <sup>2</sup>	ASTM D882	
Machine Direction		370
Transverse Direction		310
Ultimate Elongation, %	ASTM D882	
Machine Direction		600
Transverse Direction		800
Tensile Tear Strength, kg/cm	ASTM D1004	
Machine Direction		105
Transverse Direction		95
Dart Drop Impact Strength, g	ASTM D1709	90
Haze, %	ASTM D1003	12
Heat Seal Range, °C	-	130-200

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.