

## UF313

## LINEAR LOW DENSITY POLYETHYLENE

### General Information

#### Description

- ◆ UF313 is manufactured by Unipol process technology.
- ◆ UF313 has good mechanical properties, excellent optical properties and good processability.

#### Additives

- ◆ Antioxidant, UV Stabilizer, Neutralizer, Slip Agent, Polymer processing additive

#### Applications

- ◆ Agricultural Mulching Film

### Physical Properties<sup>1</sup>

General Properties	Test Method	Nominal Values				
Melt Flow Index	ASTM D1238	1.1	g/10min			
Density	ASTM D792	0.921	g/cm <sup>3</sup>			
Blown Film Properties(40μm)						
Ultimate Tensile Strength	MD	ASTM D882	440	kgf/cm <sup>2</sup>	43.1	MPa
	TD					
Ultimate Elongation	MD	ASTM D882	730	%		
	TD		750			
Elmendorf Tear Strength	MD	ASTM D1922	5.0	g/μm	200	g
	TD		10.0		400	
Dart Impact Strength	ASTM D1709	150	g			
Haze	ASTM D1003	11	%			
Gloss (45°)	ASTM D2457	74	%			

\* Processing Condition : Ø50mm LLDPE Blown Film Extruder  
Temperature : 180℃, Die Gap 2.2mm, BUR 2.1, FLH 32cm

### Note

ISO 9001, 14001, /TS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications