

# UF414

## LINEAR LOW DENSITY POLYETHYLENE

### General Information

#### Description

- ◆ UF414 is manufactured by Unipol process technology.
- ◆ UF414 has good mechanical properties and good processability.

#### Additives

- ◆ Antioxidant, Slip Agent, Anti-blocking Agent

#### Applications

- ◆ General Blown Film

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

General Properties	Test Method	Nominal Values				
Melt Flow Index	ASTM D1238	2.0	g/10min			
Density	ASTM D792	0.920	g/cm <sup>3</sup>			
Blown Film Properties(40μm)						
Ultimate Tensile Strength	MD	ASTM D882	400	kgf/cm <sup>2</sup>	39.2	MPa
	TD		350		34.3	
Ultimate Elongation	MD	ASTM D882	780	%		
	TD		800			
Elmendorf Tear Strength	MD	ASTM D1922	5.0	g/μm	200	g
	TD		9.0		360	
Dart Impact Strength	ASTM D1709	140	g			
Haze	ASTM D1003	12	%			
Gloss (45°)	ASTM D2457	72	%			

\* Processing Condition : Φ50mm LLDPE Blown Film Extruder  
Temperature : 180℃, Die Gap 2.2mm, BUR 2.1, FLH 32cm

### Note

ISO 9001, 14001, ITS 16949

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