

## UL412

## LINEAR LOW DENSITY POLYETHYLENE

### General Information

#### Description

- ◆ UL412 is manufactured by Unipol process technology.
- ◆ UL412 has good mechanical properties, gel free and good processability.

#### Additives

- ◆ Antioxidant, Slip Agent, Anti-blocking Agent

#### Applications

- ◆ Lamination Film

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

General Properties	Test Method	Nominal Values				
Melt Flow Index	ASTM D1238	1.5	g/10min			
Density	ASTM D792	0.920	g/cm <sup>3</sup>			
Blown Film Properties(40μm)						
Ultimate Tensile Strength	MD	ASTM D882	410	kgf/cm <sup>2</sup>	40.2	MPa
	TD		370		36.3	
Ultimate Elongation	MD	ASTM D882	760	%		
	TD		780			
Elmendorf Tear Strength	MD	ASTM D1922	7.5	g/μm	300	g
	TD		10.5		420	
Dart Impact Strength	ASTM D1709	175	g			
Haze	ASTM D1003	11	%			
Gloss (45°)	ASTM D2457	73	%			

\* Processing Condition : Φ50mm 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