

UN414

LINEAR LOW DENSITY POLYETHYLENE

General Information

Description

- ◆ UN414 is manufactured by Unipol process technology.
- ◆ UN414 has good mechanical properties and good processability.

Additives

- ◆ Antioxidant

Applications

- ◆ General Purpose Film

Physical Properties¹

General Properties	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	2.0	g/10min		
Density	ASTM D792	0.920	g/cm ³		
Blown Film Properties(40μm)					
Ultimate Tensile Strength	MD	400	kgf/cm ²	39.2	MPa
	TD	350			
Ultimate Elongation	MD	780	%		
	TD	800			
Elmendorf Tear Strength	MD	5.0	g/μm	200	g
	TD	9.0			
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, /TS 16949

¹ Physical Properties : these are not to be construed as specifications