

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 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(40 μ m)						
Ultimate Tensile Strength	MD	ASTM D882	400	kgf/cm ²	39.2	MPa
	TD		350		34.3	
Ultimate Elongation	MD	ASTM D882	780	%		
	TD		800			
Elmendorf Tear Strength	MD	ASTM D1922	5.0	g/ μ m	200	g
	TD		9.0		360	
Dart Impact Strength	ASTM D1709	140	g			
Haze	ASTM D1003	12	%			
Gloss (45°)	ASTM D2457	72	%			

* Processing Condition : Φ 50mm LLDPE Blown Film Extruder
Temperature : 180°C, Die Gap 2.2mm, BUR 2.1, FLH 32cm

Note

ISO 9001, 14001, ITS 16349

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

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