

UF916

LINEAR LOW DENSITY POLYETHYLENE

General Information

Description

- ◆ UF916 is manufactured by UNIPOL™ PE Process of Univation Technologies.
- ◆ UF916 is a melt blend grade of LDPE and LLDPE designed for blown / Cast film applications.
- ◆ UF916 has excellent optical properties, good mechanical properties and processability.

Additives

- ◆ Antioxidant, Slip Agent, Anti-blocking Agent

Applications

- ◆ General Purpose Film, Air bubble film etc.

Physical Properties¹

General Properties	Test Method	Nominal Values				
Melt Flow Index	ASTM D1238	2.0	g/10min			
Density	ASTM D792	0.922	g/cm ³			
Blown Film Properties(40μm)						
Ultimate Tensile Strength	MD	ASTM D882	375	kgf/cm ²	36.8	MPa
	TD		355		34.8	
Ultimate Elongation	MD	ASTM D882	710	%		
	TD		720			
Elmendorf Tear Strength	MD	ASTM D1922	3.6	g/μm	144	g
	TD		7.7		308	
Dart Impact Strength	ASTM D1709	100	g			
Haze	ASTM D1003	6.5	%			
Gloss (45°)	ASTM D2457	78	%			

* 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