

## UF919

## LINEAR LOW DENSITY POLYETHYLENE

### General Information

#### Description

- ◆ UF919 is manufactured by Unipol process technology.
- ◆ UF919 is a melt blend grade of LDPE and LLDPE designed for blown film applications.
- ◆ UF919 has good mechanical properties, excellent optical properties and good processability.

#### Additives

- ◆ Antioxidant, Slip Agent, Anti-blocking Agent

#### Applications

- ◆ General Purpose Film

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

General Properties	Test Method	Nominal Values				
Melt Flow Index	ASTM D1238	1.1	g/10min			
Density	ASTM D792	0.920	g/cm <sup>3</sup>			
Blown Film Properties(40μm)						
Ultimate Tensile Strength	MD	ASTM D882	390	kgf/cm <sup>2</sup>	38.2	MPa
	TD					
Ultimate Elongation	MD	ASTM D882	700	%		
	TD		720			
Elmendorf Tear Strength	MD	ASTM D1922	4.5	g/μm	180	g
	TD		9.1		364	
Dart Impact Strength	ASTM D1709	115	g			
Haze	ASTM D1003	8.0	%			
Gloss (45°)	ASTM D2457	70	%			

\* Processing Condition : Φ50mm LLDPE Blown Film Extruder  
Temperature : 180°C, 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