

UMERIT® 1500F

Linear Low Density Polyethylene

UBE America, Inc.

Message:

UBE super polyethylene UMERIT® are ethylene alpha-olefin copolymers produced using metallocene catalyst by gas phase process. The metallocene catalytic method results in superior physical properties by being able to acquire any targeted molecular structures.

Therefore UMERIT® 1500F offer various excellent properties:

- Superior low temperature seal property, advantageous compared to 2000F
- Reduced motor load at processing
- Draw resonance at high-speed drawing hardly occurs

General Information			
Features	Copolymer		
	Low Temperature Heat Sealability		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.913	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	4.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	51		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	39.0	MPa	ASTM D638
Tensile Elongation (Break)	730	%	ASTM D638
Flexural Modulus	190	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.0	°C	ASTM D1525
Melting Temperature	99.0	°C	

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