

UMERIT® 500F

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®500F offer various excellent properties:

- Superior low temperature seal property, advantageous compared to 1500F
- 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	0.904	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)	44		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	42.0	MPa	ASTM D638
Tensile Elongation (Break)	720	%	ASTM D638
Flexural Modulus	140	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	81.0	°C	ASTM D1525
Melting Temperature	87.0	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT