

# Lennite® GUR1020

Ultra High Molecular Weight Polyethylene  
Westlake Plastics Company

Message:

Medical grade Lennite UHMWPE is produced from premium resins in accordance with ASTM specification F648 and International Standard ISO 5834-1 for surgical implants. Westlake Plastics' proprietary manufacturing processes and stringent quality control permit a well consolidated and consistent fabricated form. Recommended sterilization techniques include EtO gas, cold sterilization, and limited gamma irradiation.

- Applications Include:
- Total hip and knee joint prosthesis
  - Various other surgical implants
  - Medical devices

- Advantages of Medical Grade Lennite UHMWPE:
- Lot controlled and traceable
  - ASTM F-648 and ISO 5834-1/2 compliant
  - Available stock material in Type I and II resins
  - Stress relieved
  - Custom certifications available

General Information		
Features	Ethylene Oxide Sterilizable	
	Radiation Sterilizable	
	Ultra High Molecular Weight	
Uses	Medical/Healthcare Applications	
Appearance	Natural Color	
Forms	Rod	
	Sheet	
Physical	Nominal Value	Unit
Specific Gravity	0.936	g/cm <sup>3</sup>
Ash Content	55.0	mg/kg
Mechanical	Nominal Value	Unit
Tensile Strength		
Yield	22.9	MPa
Break	54.3	MPa
Tensile Elongation (Break)	430	%
Impact	Nominal Value	Unit
Charpy Unnotched Impact Strength	280	kJ/m <sup>2</sup>
Unnotched Izod Impact Strength	210	kJ/m <sup>2</sup>

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHEG 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

