

# Lennite® GUR1050

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	0.934	g/cm <sup>3</sup>
Ash Content	55.0	mg/kg
Mechanical	Nominal Value	Unit
Tensile Strength		
Yield	22.7	MPa
Break	51.9	MPa
Tensile Elongation (Break)	390	%
Impact	Nominal Value	Unit
Charpy Unnotched Impact Strength	150	kJ/m <sup>2</sup>
Unnotched Izod Impact Strength	140	kJ/m <sup>2</sup>

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Recommended distributors for this material

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