



Compound  
**49670**  
 BIOMEDICAL GRADE ETR SILICONE  
 55 DUROMETER  
 CLEAR COLOR

**PRODUCT DATA SHEET**

Compound 49670 is a 55 durometer clear colored BioMedical Grade enhanced tear resistance Silicone. It also meets the requirements of USP Class V & VI.

This compound will meet or exceed the specifications listed and has the following physical properties:

United States Pharmacopeia (USP), Class V & VI  
 European Pharmacopeia (EP) (Ph.Eur.)  
 EP - Volatile Matter  
 EP - Substances soluble in Hexane  
 21CFR177.2600

**This Compound is RoHS Compliant**



**Original Properties**

Modulus @ 100% Elongation	57 psi	0.4 MPa
Tensile Strength	1,444 psi	10.0 MPa
Ultimate Elongation	647 %	
Hardness, Shore A	57 Durometer	
Specific Gravity	1.16 grams/cc	
Tear Resistance, Die B	265 ppi	46.4 kN/m

**Compression Set**

Plied: 22 hrs @ 350°F (177°C) 45.8 %

**30-Day Implant**

Exceeds USP VI PASS

**SKIN SENSITIZATION**

PASS

**PYROGENICITY (USP)**

PASS



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**HEMOLYSIS**

PASS

**MUTAGENICITY/GENOTOXICITY**

PASS