



Compound  
**49742**  
BIOMEDICAL GRADE ETR SILICONE  
75 DUROMETER  
RED COLOR

**PRODUCT DATA SHEET**

Compound 49742 is a 75 durometer red colored Biomedical enhanced tear resistant 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**

Tensile Strength	1,085 psi	7.5 MPa
Ultimate Elongation	649 %	
Hardness, Shore A	75 Durometer	
Specific Gravity	1.20 grams/cc	
Tear Resistance, Die B	225 ppi	39.4 kN/m

**Compression Set**

Plied: 22 hrs @ 350°F (177°C) 76.2 %

**30-Day Implant**

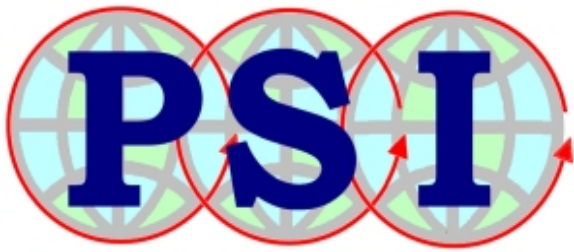
Exceeds USP VI PASS

**SKIN SENSITIZATION**

PASS

**CYTOTOXICITY**

PASS



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**PYROGENICITY (USP)**

PASS

**HEMOLYSIS**

PASS

**MUTAGENICITY/GENOTOXITY**

PASS