



Compound
49870
BIOMEDICAL GRADE ETR SILICONE
80 DUROMETER
CLEAR COLOR

PRODUCT DATA SHEET

Compound 49870 is an 80 durometer clear colored BioMedical Grade 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	1,010 psi	7.0 MPa
Ultimate Elongation	483 %	
Hardness, Shore A	83 Durometer	
Specific Gravity	1.20 grams/cc	
Tear Resistance, Die B	150 ppi	26.3 kN/m

Compression Set

Plied: 22 hrs @ 350°F (177°C) 81.2 %

30-Day Implant

Exceeds USP VI PASS

SKIN SENSITIZATION

PASS

CYTOTOXICITY

PASS



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PYROGENICITY (USP)

PASS

HEMOLYSIS

PASS

MUTAGENICITY/GENOTOXITY

PASS