

Certificate of Conformance

Product: Silicone Extrusion

Date: 2007

Works Order: N/A

Material: Silicone Rubber

United Silicones Ltd certifies that product or services supplied are covered by manufacturing standards ISO 9001:2000 guidelines.

Unless otherwise indicated on individual product specification details, all products are supplied to meet or exceed the internationally recognized standards below.

- FDA Code of Federal Regulation, 177.2600 “Rubber Articles Intended for Repeated Use”
- USP Class VI (Medical USA)
- European Pharmacopoeia “Silicone Elastomers for Closures & Tubing”
- BS 6920 WRAS (Formerly WRc Water Bylaws Scheme)

Further information on this material may be obtained by contacting client services team.

Material Analysis

Material Grade Standard Silicone 40-80sh

Batch Number: N/A

Properties Tested

Specification Range

Postcured for 4 hours at 200C

SHORE A

35 - 85

TENSILE N/mm²

6.8 – 11.8

ELONGATION %

300 - 950

TEAR B N/mm

17 - 26

SPECIFIC GRAVITY

1.12 – 1.19

REBOUND RESILIENCE %

45 – 60

COMPRESSION SET 22hr - 175C

12 – 55

TEMPERATURE RESISTENCE (*Constant*)

-40 – +200C (*Standard Grade*)

TEMPERATURE RESISTENCE (*Constant*)

-40 – +350C (*High Temperature Grade*)

THERMAL CONDUCTIVITY W/m/K

100c = 0.2 – 0.2