

SILEX[®]

SILICONES₀



Certificate No. 0372

MATERIAL GRADE: R401/60

CHEMICAL TESTS

Reducing (oxidating) parts. Quantity required 0.01ml 0.01N KmnO₄ Spec. max. 1.5ml
0.01 KMnO₄
Heavy metal ions were found <0.01mg Pb 2+ per ml spec. max. 0.01mg 2+ per ml.

BIOLOGICAL TESTS

All R401 series rubbers are approved for food and drug use i.e., catheter tubes, baby teats etc.. therefore should pass biological tests, presumably.

PHYSICAL TESTS

Colour: Transparent
Shore A hardness tolerance: ± 5°

ELECTRICAL PROPERTIES (post cured samples)

Volume resistivity: 10¹⁵ Ω cm
Dielectric strength: 23 KV/mm (1mm thick sample)
Dissipation factor tan δ @ 50 c/s : 40.10⁻⁴
Dielectric constant @ 50 c/s: 2.9

NOTE:

Although the above results are for R401/60, they can be assumed to cover R401/50 also.

SILEX Limited

Unit 4 & 5, Broxhead Trading Estate, Lindford, Bordon, Hants, GU35 ONY
Telephone: + 44 (0) 1420 487130 / 487538 / 488042 Fax: + 44 (0) 1420 489274
e-mail: Sales Office: nicksoudah@hotmail.com Accounts Office: info@silex.co.uk Web Site: www.silex.co.uk