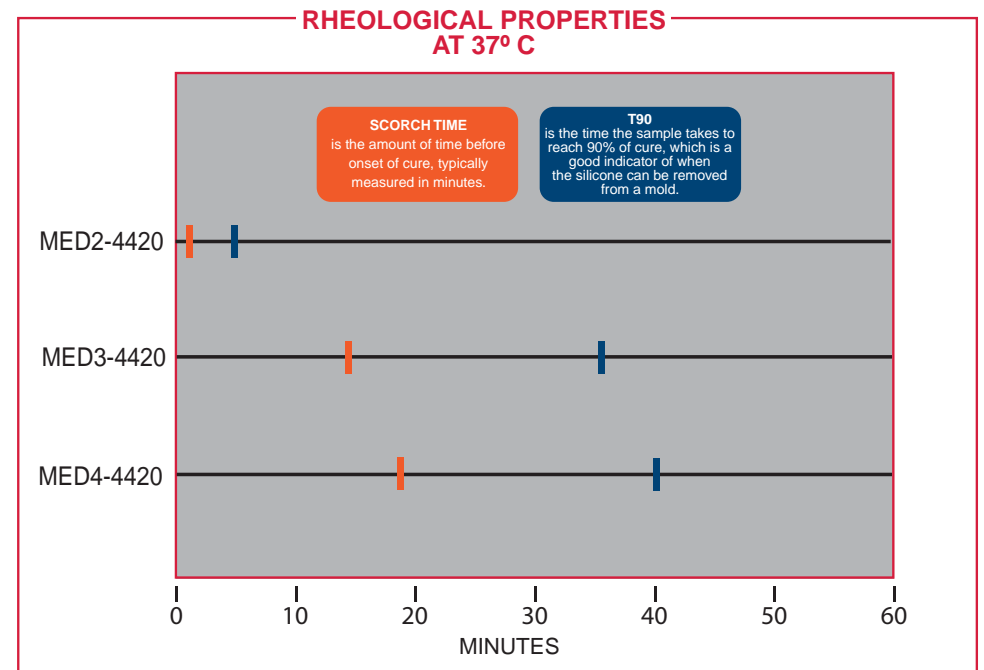
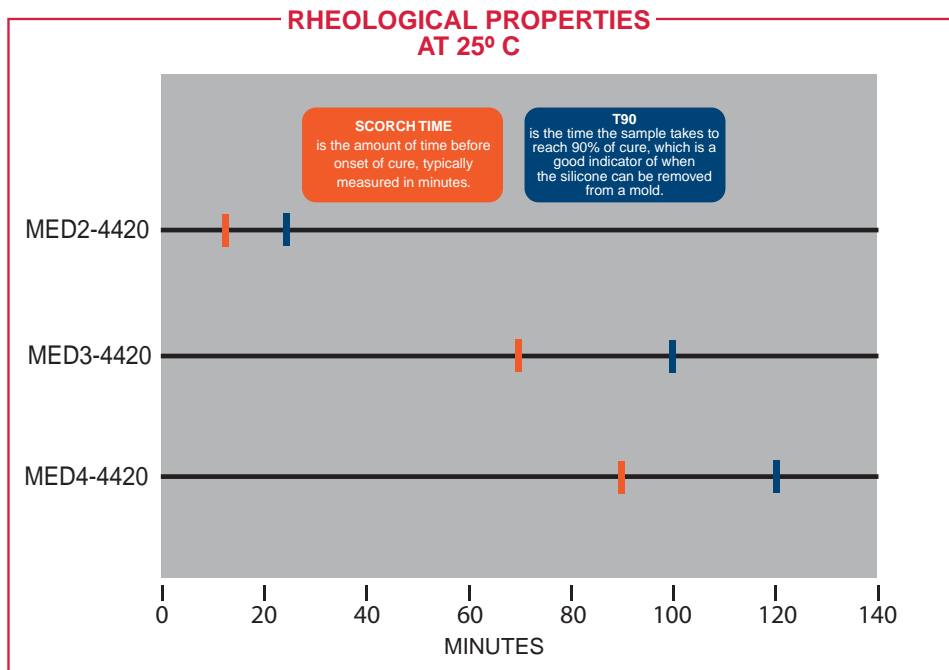


Fast-Cure Silicones for Long-Term Implants

NuSil's fast-cure silicones MED2-4420, MED3-4420, and MED4-4420 are uniquely designed to cure rapidly at room or body temperature. These versatile low consistency elastomers (LCEs) may be considered for use in long-term implantable medical devices as well as for topical use.

MED2-4420, MED3-4420, and MED4-4420 are two-part, platinum catalyzed, addition cure silicone systems. As fast-cure materials, these cure in less than 24 hours at room temperature. Unlike acetoxy and oxime cure systems, addition cure silicones do not require moisture to cure or release any byproducts or corrosive leaving groups. The cure profile of MED2-4420, MED3-4420, and MED4-4420 also makes them especially valuable for use in medical device assembly in which temperature-sensitive components are present.

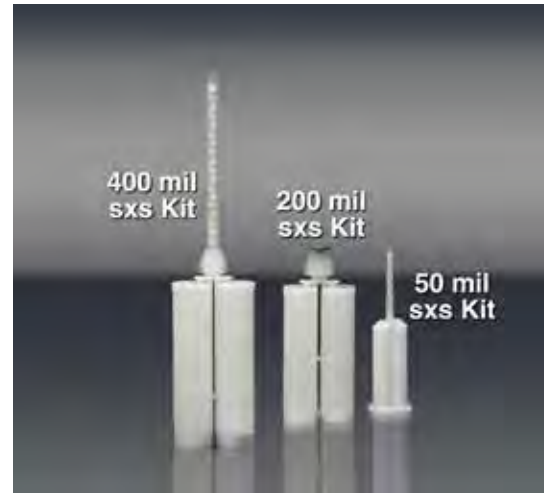
The rheometry charts below display typical Scorch Time and T90 for these materials at ambient temperature (25°C) and body temperature (37°C).



Fast-Cure Silicones for Long-Term Implants

MED2-4420, MED3-4420, and MED4-4420 are available in various sizes of side-by-side kits or drums. Packaging configurations are shown in the photos below for these 1:1 mix ratio, fast-cure silicones for medical implants.

| Product Name | Viscosity cp & mPas | Work Time | Durometer Type A | Tensile Strength psi (Mpa) |
|--------------|----------------------------------|------------|------------------|----------------------------|
| MED2-4420 | Part A: 20,000 Part B: 16,000 | 3 minutes | 20 | 550 (3.8) |
| MED3-4420 | Part A: 80,000 Part B: 65,000 | 15 minutes | 25 | 1,100 (7.6) |
| MED4-4420 | Part A: 23,000 Part B: 18,000 | 25 minutes | 17 | 645 (4.4) |



* Packaging options can vary, and are subject to change without notification. Please contact NuSil Technology for more information.

Each of NuSil's unrestricted silicones for medical implant applications is supported with extensive biocompatibility testing conforming to USP and select ISO-10993 testing requirements. Customers interested in authorization to reference the MAFs must contact NuSil directly.

About NuSil Technology

NuSil Technology is a global manufacturer of silicone materials for the pharmaceutical, drug delivery, and medical device industries. Developing novel silicone systems, NuSil offers a complete line of customizable adhesives, elastomers, fluids, and gels. NuSil meets the demands of new and innovative technologies by building on our experience and expanding product lines and services to offer exclusive silicone solutions specifically designed for drug delivery and combination medical device products. ISO 9001-certified since 1994, NuSil operates state-of-the-art laboratories and processing facilities in North America and on-site, in-person application engineering support worldwide.

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