Fluorosilicone Elastomer for Medical Implant Applications

MDT Staff

NuSil Technology LLC, a global leader in silicone materials for the healthcare, pharmaceutical and drug delivery industries, introduces MED-5440, a translucent 100 mol % fluorosilicone elastomer designed to be used with liquid injection molding equipment.

As a fluorosilicone, MED-5440 resists swell when in contact with or immersed in dimethyl fluids and most solvents or oils. Some typical applications for MED-5440 include O-rings, gaskets, seals, and precision molded parts for implant applications requiring silicones of medium durometers that resist swell.

“MED-5440 is an excellent choice for molding high quality silicone parts that require some degree of resistance to solvents, alcohols, fluids or oils,” said Brian Reilly, Marketing & Sales Director—Medical Implants. “This versatile product can be ideal for molding septums, o-rings or gaskets for which swelling is a concern when the device is exposed to certain environments.”

MED-5440 is a two-part silicone rubber with a 1:1 mix ratio and a Type A durometer of 40. Designed for liquid injection molding processes, the MED-5440 cures rapidly when exposed to heat.

For more information, visit www.nusil.com [1].

Links:
[1] http://www.nusil.com