

Silicone Coating Reduces Inherent Surface Tack

Silicone elastomers inherently have a high degree of surface tack and a tendency for blocking, which may cause problems in applications in which they come in contact with each other or other surfaces. A thin coat of this two-part, low-coefficient of friction silicone coating cures rapidly with elevated temperatures. Once cured, the coating chemically bonds to the silicone elastomer substrate, mimicking its mechanical properties. The result is a smooth finish with durable, yet flexible coating that resists abrasion from moving, sliding, and rubbing parts. The coating provides a 50% decrease in coefficient of friction compared to non-coated silicone samples.

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