

NuSil MED-6340 Gel - Restricted Medical Use

Category : Polymer , Thermoset , Silicone

Material Notes:

Description: A silicone gel is an unreinforced, loosely crosslinked network of polymers. Due to the lack of reinforcing filler, gels tend to be low in viscosity in the uncured state, allowing flexibility for various processing techniques. Not only can the crosslink density of the silicone polymers be designed to yield a very firm or soft gel, but the work time and cure profile can also be modified. Accordingly, gels can be used in a variety of applications, including sheeting and encapsulating sensors or electronic devices. Additionally, NuSil's restricted tacky gels can be used as temporary adhesives. **Important Properties:** Silicone gels have a long history of biocompatibility. The following list highlights the properties that make silicone gel systems valuable in the healthcare field: Solvent-free Modifiable tack and penetration Varying viscosities Adjustable cure profiles Non-allergenic Superior breathability **Comments:** Low Penetration, Low Tack Gel **Cure System:** Platinum Information provided by NuSil

Order this product through the following link:

http://www.lookpolymers.com/polymer_NuSil-MED-6340-Gel-Restricted-Medical-Use.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	
Viscosity	8000 cP	8000 cP	

Mechanical Properties	Metric	English	Comments
Penetration	3.0 @Time 15.0 sec	3.0 @Time 0.00417 hour	[mm], 51g shaft weight, 3.2 in foot diameter

Processing Properties	Metric	English	Comments
Cure Time	30.0 min @Temperature 140 °C	0.500 hour @Temperature 284 °F	
	45.0 min @Temperature 25.0 °C	0.750 hour @Temperature 77.0 °F	Work

Descriptive Properties	Value	Comments
Mix Ratio	1:1	

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