QGel 300
High Strength Silicone Gel

Description
QGels are addition-cure clear, soft, moderately cross-linked silicone polymer. Silicone gels provide protection from moisture, vibration, thermal, or mechanical shock.

Key Features
- Soft, but has considerably higher strength than general purpose silicone gels
- 1:1 mix ratio
- 24-hour room temperature cure
- Dispensing equipment not necessary

Use and Cure Information

Uncured Product
Cure Profile
30 mins at 150°C, 60 mins at 100°C, 20 hrs at 25°C

Cure Type
Addition

Density A
BS ISO 2781
0.97

Density B
BS ISO 2781
0.97

Gel Time at 25°C/77°F
135 min

Mix Ratio By Weight
1:1

Rheology

Viscosity A
Brookfield
1,000 cP

Viscosity B
Brookfield
2,000 cP

Cured Product
Color
Transparent

Max Working Temp
204 °C / 399 °F

Min Working Temp
-55 °C / -67 °F

Penetration (19.5g Cone Weight) mm
5 - 9 mm

Electrical Properties
Dielectric Strength (V/mil)
499 V/mil

Storage
Max Storage Temperature
38 °C / 100 °F

Shelf Life
24 mths

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The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

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