

TECHNICAL DATA SHEET

QGel 300 Blue 2 part Silicone Gel

Description	Property	Test Method	Value
QGels are addition-cure clear, soft, moderately cross-linked silicone polymer. Silicone gels provide protection from moisture, vibration, thermal, or mechanical shock.	Uncured Product		
Key Features	Color A		Transparent Blue
<ul style="list-style-type: none">• Soft, higher strength than general purpose gels• One to one mix ratio• 24-hour room temperature cure• Dispensing equipment not necessary	Color B		135 min
Use and Cure Information	Gel Time at 25°C/77°F		1,000 cP
Important	Viscosity A	Brookfield	2,000 cP
The "A" part of QGels contain the platinum catalyst; great care should be taken when using automated dispensing equipment to not cross-contaminate systems.	Viscosity B	Brookfield	
Mixing	Cured Product		
Both the "A" and "B" parts should be well stirred to ensure the material is uniform. QGels should be mixed by weight. Once the components are mixed, the curing process begins. The gel time of the mixed material is listed under the typical properties. Fast curing gels should be dispensed utilizing automated mix and dispensing equipment. In order to achieve optimum performance, the same "A" and "B" side lot numbers should be used.	Penetration (19.5g Cone Weight) mm		5-9 mm
De-Aeration			
Air trapped during mixing should be removed to eliminate voids in the cured product. Vacuum de-airing may be necessary to completely remove all entrapped air bubbles. To ensure proper de-airing, subject the mixed material to 29 inches of mercury.			
Storage and Shelf-life			
This product is best when used within 24 months from the date of manufacture, See product label and/or the CoA for specific "use by date".			
Product should be stored in its original, unopened container in an environment that does not exceed 38C (100F)			
Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case, the properties required for the intended use should be checked for quality assurance reasons.			

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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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