

**INDUSTRY  
SOLUTIONS.**

**Material  
Solutions.**

**CHT**

**SMART CHEMISTRY  
WITH CHARACTER.**



**SUSTAINABLE SILICONE SOLUTIONS  
FOR REUSABLE VACUUM BAGS**

**ACHIEVE FAST TURNAROUND FOR PRODUCTION PARTS  
WITH LOW INVESTMENT**

# SILICONE SOLUTIONS FOR REUSABLE VACUUM BAGS

The CHT Group has custom developed addition cure silicone molding rubber designed for producing reusable vacuum bags for resin infusion. These silicone solutions enable composite manufacturers to decrease production times, achieve consistent part production resulting in reduced resin usage and material waste. In addition, the closed-mold process enables a much safer working environment since VOC emissions are reduced.

The use of spray equipment allows for very fast application and flexibility in building the silicone bag in layers to the desired thickness. Additional silicone can be applied to areas prone to stress due to repeated demolding.

## KEY FEATURES

- ▶ Low to no styrene absorption with CHT proprietary silicone technology
- ▶ Excellent resistance to DCPD
- ▶ Transparent purple tint enables visual inspection of resin loading during the infusion process
- ▶ Fast gel time enables quick set-up of multiple layers
- ▶ Mildly thixotropic to reduce slumping on vertical surfaces
- ▶ Low to no tackiness upon full cure
- ▶ No shrinkage = excellent dimensional stability allowing intricate part detail
- ▶ Easy demolding
- ▶ Self-bonding material allows for easy repair
- ▶ Environmentally friendly chemistries / Sustainable

## APPLICATIONS:

- ▶ Marine parts such as doors, hatches, consoles, and stringers
- ▶ Automotive & RV products such as bumpers and windscreens
- ▶ Wind turbine blades and components/nacelles
- ▶ Non skid repair
- ▶ Moldmaking

## KEY PHYSICAL PROPERTIES

Product	Mix Ratio	Catalyzed Color	Catalyzed Viscosity	Gel Time	Tensile	Tear	Elongation
QVB 701	1:10	Transparent purple	25,000 cps	2-3 minutes	700 psi	60 ppi	800%
QVB 720	1:1	Transparent purple	25,000 cps	2-3 minutes	700 psi	60 ppi	800%

The data are standard values and not suitable for establishing specifications. Please note that the given values were determined in the laboratory and must be verified in tests for your specific manufacturing under the conditions in practice.



## PACKAGING

- ▶ 55 gallon kits, 5 gallon kits, gallon kits
- ▶ Cartridges
- ▶ Custom packaging/color options for part identification available upon request



Superior Industrial Solutions, Inc. is an official distributor of CHT. Interested in further information or product samples? Please contact us: [info@relyonsuperior.com](mailto:info@relyonsuperior.com) Tel +855-700-7510 [relyonsuperior.com](http://relyonsuperior.com)

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