

**INDUSTRY
SOLUTIONS.**

**Material
Solutions.**

CHT

**SMART CHEMISTRY
WITH CHARACTER.**



SILICONES 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, and reduce material waste. In addition, the closed-mold process enables a much safer working environment since VOC emissions are reduced.

Using an automated mixing and dosing machine, these materials can be directly applied to the mold using spray equipment. This allows for very fast application and flexibility to build the silicone bag in layers to the desired thickness, with the ability to apply more silicone to areas prone to stress.



KEY FEATURES

- ▶ Transparent purple tint in thin cured sections enables convenient evaluation of layer thickness and resin loading
- ▶ Fast gel time enables quick set-up of multiple layers
- ▶ Mildly thixotropic to reduce slumping on vertical surfaces
- ▶ Rheological profile allows for flow and leveling
- ▶ Low to no tackiness upon full cure
- ▶ Excellent dimensional stability enables increased part
- ▶ Superior resistance to styrene absorption
- ▶ Self-bonding material allows for easy repair

APPLICATIONS:

- ▶ Marine parts such as doors, hatches, consoles, and stringers
- ▶ Automotive & RV products such as bumpers and windscreens
- ▶ Pre-preg carbon fiber reinforcement
- ▶ Wind turbine blades
- ▶ Aerospace components

PACKAGING

- ▶ 55 gallon kits, 5 gallon kits, gallon kits
- ▶ Cartridges
- ▶ Custom packaging available upon request

KEY PHYSICAL PROPERTIES

Product	Mix Ratio	Catalyzed Color	Catalyzed Viscosity	Gel Time	Tensile	Tear	Elongation
QVB 701	1:10	Transparent purple	25,000 cps	8-12 minutes	700 psi	60 ppi	800%
QVB 720	1:1	Transparent purple	25,000 cps	8-12 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.



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Superior Industrial Solutions, Inc. is an official distributor of CHT. Interested in further information or product samples? Please contact us: info@relyonsuperior.com

CHT USA | 7820 Whitepine Road | Richmond, Virginia, 23237
info.usa@cht.com Tel +1 804 271 9010



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www.cht-silicones.com