Product Data Sheet

HT01

SPRAYOMER® Elastomers

www.srcomposites.com

Resin Infusion – Prepreg – Debulks – Bond Fixtures – Bladders – Blankets – Masks

Product Description

SPRAYOMER® elastomers are pre-vulcanized single component liquids formulated for spraying onto a surface and air dried into a durable film that provides flexible membranes.

With good puncture and tear resistance and a high degree of transparency, HT01 is ideal for; masks, blankets, debulks, bond fixtures and resin infusion where easy flow front verification is desired. Good chemical resistance and a moderate service temperature tolerate exotherm spikes of many Polyester / Vinylester / Epoxy infusion resin systems.. ***HT01*** *does not contain any silicone/synthetic rubber.*

Membrane Characteristics

Spray formable membranes enable prompt fabrication of net shape, seamless vacuum bags on nearly any surface regardless of size or geometric complexity.
SPRAYOMER® vacuum bags do not require any mesh reinforcement and therefore, can weigh up to 70% less than comparable articles made from Silicone, EPDM or Urethane.

Packaging & Handling

Shipped in a 5 gallon pails. Special order 50 gallon drums are available. Winter shipping requires freeze protection.
Store indoors in sealed container at 50°- 90°F.
Shelf life up to 18 months in controlled storage (nom.75°F).

Cleanup & Disposal

Use only *Distilled* Water to clean tools & spray equipment. Pour effluent into a shallow pan and use cardboard or other absorbent material to dry it into a non hazardous solid state. Always follow local disposal regulations for handling solid waste. Dried elastomer can be removed from most non porous surfaces by peeling.

In Liquid State	**HT01**
Appearance	Tan Cream
Freezing Point	32°F
Boiling Point	212°F
Specific Gravity	0.93
Solubility in Water	Miscible

Material Application

Surface Preparation

Surfaces should be clean and free of oils, waxes and releases. Smooth non porous surfaces provide the best foundation for spray fabrication of a membrane.

Material Preparation

If practical, keep material between 70°F-80°F. Use a clean stir mixing stick to stir material before use.
Pail lids are provided with small bung hole opening to accept the QuickMold™ Sprayer pickup tube and cup filter.

Spraying Conditions

Sprayomers are preferably applied in a vented, dust free room maintained at a temperature between 70° - 85°F. Avoid runs on vertical surfaces by applying less than 8 - 10 total wet mils between each drying stage. Ideal horizontal surface build is less than 12 wet mils between drying stages.

Drying Stages

Dry the wet film using forced air flow, preferably heated to 120° - 145°F for approx. 15 mins. after spray passes. A humid environment and ambient temperatures below 75°F will increase drying time.

Post Cure

It is recommended to expose the Sprayomer™ membrane contact surface to heated air at 150ºF -180°F for 3 hours to achieve optimal cure followed by recommended bag treatment application.

Precautions

Please refer to MSDS & SDS for proper safe handling and storage information. Wear personal protective equipment including protective eyewear and gloves. Follow OSHA guidelines for personal protective equipment and operating procedures for specific type of spray equipment being used. Always ground dried/cured membranes to dissipate static charge build up between the membrane and working surface.

As a Cured Film	**HT01**
Color	Translucent / Amber
Elongation	800%
Specific Gravity	1.02
Short Duty Cycles	250ºF
Sustained Exposure	210ºF

SPRAYOMER® Technology
U.S. Pat # 8,916,073, U.S. Pat # 8,672,665, U.S. Pat # 10,434,690
Australian Pat # AU2008218935, Canadian Pat # 2,679,111,
Other U.S. & International Patents Pending -

Disclaimer – The technical data represented was measured under controlled laboratory conditions and is subject to change without notice. Actual performance of a cured SPRAYOMAER® vacuum bag depends upon resin compatibility, bag handling & care, manufacturing conditions and other events out of our control. Therefore, no warranty or guarantee of any kind is made by SR Composites, LLC, express or implied, statutory, by operation of law, or otherwise, including merchantability and fitness for a particular purpose.

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