

Product Data Sheet

SPRAYOMER® HPA11

(High Performance Adhesive)



SPRAYOMER® Technology

Patented Industry Changing Solutions

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

MEETS SPECIFICATIONS: ASTM C920 Type S, NS, Class 50, TT-S-00230C, TT-S-01543A, MIL-A-46106A, AAMA 808.3, 805.2, 803.3 (Type I), 802.3 (Type II); UL Recognized Component.

PHYSICAL PROPERTIES		TEST METHOD
Cure System	Neutral/Oxime	
Movement Capability, %	±50%	ASTM C-719
Modulus	Low	ASTM D-412
Physical Properties (Cured)	Rubber	
Specific Gravity	1.04	
Extrusion Rate, g/min.	500	ASTM C-1183
1/8" orifice @ 50 psi		Modified
Temperature Range	-62°F to 400°F	
Intermittent Temperature Range	450°F	
Accelerated Weathering (10,000 hrs.)	No Change	QUV Weatherometer
Skin Over Time (min)	12*	MNA Method
Tack Over Time (min)	25*	ASTM C-679
Cure Rate	1/8" per 30hrs*	MNA Method
Tensile Strength (psi)	190	ASTM D-412
Elongation %	650	ASTM D-412
Durometer Shore A	15	ASTM C-661
Dielectric Strength kv/mm (v/mil)	20 (500)	
Dielectric Constant at 100 Hz	2.7 @ 96	
Shelf Life (months)	18	
Volatile Organic Content	40 gr./litre	

*All properties derived from lab conditions (77°F at 50% relative humidity)

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

The HPA11 is a one part neutral cure silicone sealant which is developed from modified ketone oxime cross link chemistry. This product chemically speaking is considered a low odor non corrosive silicone sealant. Once fully cured, this rubber sealant is considered to be inert. With all one part silicones, once heated above 300 F, formaldehyde will be released in very small amounts in presence of air. Formaldehyde is considered a cancer causing agent.

WARRANTY: Our company warranty contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's own independent test(s) to ensure that the products are safe, effective and fully satisfactory for their own intended end use.

GRF Comm Provisions of Nevada, Inc warrants that it's products will meet the specifications as defined in the technical data sheets and will ensure environmental and health standard regulations as disclosed in the material data sheets. There is no warranty for merchantability or fitness for use, nor any other express or implied warranties. All recommendations for use of these products are derived from tests and data believed to be reliable. Manufacturer shall not be liable for injury, incidental or consequential damages resulting from use of this product. Manufacturer's only liability shall be to replace that portion of the product proven to be defective.

SPRAYOMER® Technology www.srcomposites.com
<http://www.srcomposites.com/PATENTS.htm>
U.S. Pat. # 8,916,073, U.S. Pat # 8,672,665, U.S. Pat # 10,434,690
Australian Patent # AU2008218935, Canadian Patent # 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 SPRAYOMER® High Performance Adhesive HPA11 depends upon many factors such as handling/storage conditions, manufacturing conditions and other events out of our control. Therefore, no warranty or guarantee of any kind is made by SPRAYOMER/GRF Comm Provisions of Nevada Inc., express or implied, statutory, by operation of law, or otherwise, including merchantability and fitness for a particular purpose. GRF Comm Provisions of Nevada, Inc. - © May 2022