TECHNICAL DATA SHEET

LIQUID EPOXY SYRINGE 903/904

LIQUID EPOXY SYRINGE

903

904

- PRODUCE NAME : Liquid Epoxy Syringe
- PRODUCT CODE : 903/904
- Volume : 10ml/24ml

Epoxy syringes is epoxy liquid adhesive used to bond wood, metal, glass, ceramic, concrete, fabric, and remains clear from application through full cure to help blend in with material. It forms a tough bond that is flexible for durability.

FEATURES

- ✓ Continuous service temperature range from -20 to +300 degrees F (-29 to +150°C)
- ✓ Work time of approximately 5 min, cure time for function of 1 hr, and full cure time of 12 hr.
- ✓ Forms tough bond for durability.

TEST REPORT

SGS

Test Item	Test Method	Test Result
Hardness (Type D/I sec)	ASTM D2240-05	83
Shear Strength (psi)	ASTM D1002-01	899
Compressive Strength (psi)	ASTM D695-02a	16902
Gel Time (sec)	ASTM D2471-99	350

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PRODUCT DATA

Clear Liquid Epoxy	
Part A & B	Colorless
Mixed	Clear, transparent
Ratio	1 : 1
Steel Liquid Epoxy	
Part A & B	Gray
Mixed	Gray, nearly steel color
Ratio	1 : 1

STORAGE CONDITION & SHELF-LIFE

- 24 months (FOR 24ml syringes) / 18 months (FOR lower than 10 ml syringes) from date of production if stored properly in original unopened, sealed and undamaged packaging in cool and dry conditions at temperatures between +5°C and +25°C.
- Protect from direct sunlight to avoid causing any deterioration and hardener (part B) turning to yellow.

TECHNICAL DATA

Typical Physical Properties	Results	Test Method
Uncured		
Mixed Viscosity	10000 cps	Adhesive Tensile Shear ASTM D 1002
Mix Ratio By Volume	1:1	
Mix Ratio By Weight	1:1	
Mixed Density	9.17 lbs/gal.: 1.10 gm/cc	Dielectric Strength, volts/mil ASTM D 149
Working Time	5-7 min. (28 gm @ 72°F)	
Fixture Time	10-15 min. @ 72°F	
Functional Cure	3/4- 1 hr. @ 72°F	Cure Hardness Shore D ASTM D 2240
Full Cure	12	
Service Temperature	Dry, - 40°F to 200°F	

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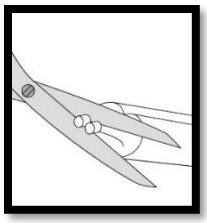
Typical Physical Properties	Results	Test Method
Cure 7 days@75°F		Adhesive Tensile Shear ASTM D 1002 Dielectric Strength, volts/mil ASTM D 149 Cure Hardness Shore D ASTM D 2240
T-peel	2-3 pli	
Impact Resistance	5.5 ft.lb./in.(2)	
Tensile Elongation	1%	
Tensile Elongation	1%	
Shore Hardness	82 Share D	
Gap-Fill	Good	
Dielectric Strength	490 volts/mils	
% Solids by Volume	100	
Adhesive Tensile Lap Shear(GBS)	1900 psi @ 0.005" bondline	
Specific Volume	25.1 in(3)/lb	

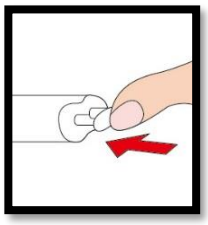
APPLICATION INSTRUCTIONS

Proper homogeneous mixing of resin and hardener is essential for the curing and development of states strengths.



Step 1:
Cut the syringe tip.

Step 2:
Squeeze & mix the required amount, and apply to repair surface within 2 minutes.



Step 3:
Cover the open tip with plastic plug. (Attach on the pusher)

HEALTH AND SAFETY INFORMATION

- For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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