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**ER1020**

## **20 Minute Toughened Epoxy**

**ER1020** epoxy system is a toughened, flowable, industrial grade epoxy adhesive with a 20 minute work life. Once mixed, the two-part epoxy cures at room temperature to form a bond line able to resist shock and impact. The fully cured epoxy is resistant to a wide range of chemicals and solvents. Ideal for bonding plastics, metal, glass, wood, ceramic, rubber and masonry materials where flexibility is required. Suited for low-stress, high-impact bonding applications of dissimilar materials. Used for repairing strain gauges, sealing seams on fiberglass components, repairing printed circuit boards, bonding stainless steel inserts, and rubber hose to steel tubing. **ER1020** is a 100% solids product containing no volatile solvent which might prove irritating to employees. **ER1020** can be applied manually when made up in small batches or with a meter/mix applicator.

### **Typical Parameters:**

Component A:	
Color:	Clear
Viscosity:	13,000 cps
Component B:	
Color:	Amber
Viscosity:	1,000cps
Mix Ratio:	1:1 by weight or volume
Solids Content:	100% [No solvents.]
Gel Time, 100 Gram Mass at 75° F:	20 minutes
Lap Shear Strength [CRS to CRS]:	2000psi minimum
Operating Temperature:	-40° to 130° C [intermittent]
Shore D hardness:	80D
24 Hour Water Absorption:	<1%.

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