

**Cox Sales Company**  
**2035 Cook Drive**  
**Salem, VA 24153**  
**Phone: (540) 345-2636 FAX: (540) 342-8684**

**U-81-2**  
**TWO PART**  
**FLEXIBLE URETHANE POTTING**  
**AND ENCAPSULATING COMPOUND**

**U-81-2** is a low viscosity potting and encapsulating polyurethane. It is used in potting electrical devices for automotive and telecommunication. UR5360 had excellent moisture resistance and outstanding electrical properties. **U-81-2** is a flexible low durometer hardness, urethane potting and encapsulating compound. Typical applications for **U-81-2** would be the potting and encapsulating of sensitive electronic components and assemblies. **U-81-2** also makes an ideal mold making compound.

**Typical Technical Data:**

Part A: Viscosity	2000cps
Color:	Clear
Specific Gravity:	0.90
Part B: Viscosity:	60 cps
Color:	Amber
Specific Gravity:	1.20
Mixed: Viscosity:	~1000 cps
Color:	Amber
Specific Gravity:	0.98
Mix Ratio [A: B]:	100:36 by Weight 100:26 by Volume
Pot Life: 100 gram mass:	6 min
Shore A Hardness:	50-60 A
Tensile Strength (psi)	350
Elongation (%)	195
Modulus (psi)	136
Tear Strength (pli)	49
Surface Resistivity (ohm)	$5 \times 10^{17}$
Volume Resistivity (ohm-cm)	$3 \times 10^{15}$
Dielectric constant (1MHz)	3.6