

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

N-483-3

Two Part Urethane Encapsulation Compound

N-483-3 is a two component room temperature cure, flexible urethane encapsulation compound especially designed for the electronic component market. Since **N-483-3** has an inherently low viscosity, it flows easily around discrete components and gives an intimate encapsulation effect. The low Shore A hardness absorbs both physical and thermal shocks. The rapid gel rate of the product allows it to fixture around the components with quick turnaround for the next assembly operation. Due to the low hardness **N-483-3** works well in submarine cable for flexibility.

Technical Information:

Part A Color:	Transparent Liquid 5,000 cps
Part B Color:	Amber to Brown Liquid
Mixed Color:	Liquid @ ~550 cps
Mix Ratio:	100 A: 103 B by Weight 100 A: 100 B by Volume
Specific Gravity:	1.02 at 20°C
Gel Time at 30 Grams:	~30 minutes
Room Temperature Cure Time:	Overnight
Shore A Hardness after 24 Hours:	15 A
Volume Resistivity:	2.3×10^{16} ohm-cm [measured at 3.45mm]
Dielectric Strength:	297 volts/mil at 23° C
Dielectric Constant:	6.0 at 23°C at 1 kHz
Shrinkage (%):	0.99
CTE (unit/unit/°C):	1280×10^{-6}