CORNING

8882 Re-enterable Encapsulant

8882 Re-enterable Encapsulant Kit

The Corning 8882 is a non-urethane, re-enterable encapsulant that does not contain any isocyanates. The 8882 forms an encapsulation for buried cable splices that can be re-entered. Complete removal of encapsulant from a splice is not necessary upon re-entry since new material will completely bond to existing cured encapsulant. The 8882 offers excellent adhesive properties when bonding to conductor insulation. Its ability to absorb cable filling compounds helps provide a strong barrier.

Features
Easily re-enterable
Excellent adhesive properties
Does NOT contain isocyanates
Bonds to itself and other encapsulants
Excellent electrical properties

Storage
Shelf life is 24 months from date of manufacture
Recommended storage temperature is below 86°F (30°C)

Ordering Information

Part Number	Description	Order Multiple
8882-RE-ENCAP-98ML	8882 Corning Re-enterable encapsulant 98 ml (90 g)	10
8882-RE-ENCAP-290ML	8882 Corning Re-enterable encapsulant 290 ml (275 g)	12
8882-RE-ENCAP-528ML	8882 Corning Re-enterable encapsulant 528 ml (500 g)	12
8882-RE-ENCAP-792ML	8882 Corning Re-enterable encapsulant 792 ml (750 g)	12
8882-RE-ENCAP-1583ML	8882 Corning Re-enterable encapsulant 1,583 ml (1,500 g)	6
8882-RE-ENCAP-2005ML	8882 Corning Re-enterable encapsulant 2,005 ml (1,900 g)	5
8882-RE-ENCAP-3167ML	8882 Corning Re-enterable encapsulant 3,167 ml (3,000 g)	1
8882-RE-ENCAP-4751ML	8882 Corning Re-enterable encapsulant 4,751 ml (4,500 g)	1
8882-RE-ENCAP-5278ML	8882 Corning Re-enterable encapsulant 5,278 ml (5,000 g)	1
8882-RE-ENCAP-6333ML	8882 Corning Re-enterable encapsulant 6,333 ml (6,000 g)	1
8882-RE-ENCAP-8444ML	8882 Corning Re-enterable encapsulant 8,444 ml (8,000 g)	1

Technical Data

Physical Properties at +25°C (+77°F)

Property		Typical Value	Test Method
Color:	mixed	Transparent amber	Visual
Corrosion of copper		Non corrosive	MS 17000, section 1139
Hydrolytic stability weight change		-7.3%	TA-NWT-000354
Peak exotherm		82°F (28°C)	ASTM D2471
Water absorption		0.36%	ASTM D570
Dry heat aging weight loss		0.32%	TA-NWT-000354
Gel time 3.5 oz (100 g)		60 minutes	TA-NWT-000354
Volumetric expansion		0%	TA-NWT-000354
Stress cracking of:	polyethylene	Pass	ASTM D1693
	polycarbonate	Pass	ASTM D1693
Viscosity:	mixed	1,000 cps	ASTM D2393
Water sensitivity		0%	TA-NWT-000354
Compatibility:	self	Good bond, no separation	TA-NWT-000354
	urethane encapsulant	Good bond, no separation	
Odor		Essentially odorless	TA-NWT-000354
Phase stability		Pass	TA-NWT-000354
Filling compound compatibility		+10.64% at 77°F (25°C)	TA-NWT-000354
Insulation resistance at 500 V DC		1.2×10^{12} ohms	ASTM D257
Volume resistivity at 500 V DC		0.6×10^{13} ohm.cm	ASTM D257
Dielectric strength		268 volts/mil	ASTM D 149-97

Note: The performance data identified above are typical for the material, but are not intended for use as specifications due to variations in testing conditions.

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Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC 28216 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm