

3M™ High Gel Re-enterable Encapsulant 8882

Description

3M™ High Gel Re-enterable Encapsulant 8882 is a two-part nonurethane encapsulating compound. The encapsulant aggressively adheres to filled cable and is compatible with common plastics used in telephone splice connectors.

The encapsulant permits easy cable splice re-entry for future changes and maintenance. The 8882 encapsulant is one of a system of products available from 3M.



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Properties

Property	Test Method	Typical Value
Isocyanate Content	Non applicable	Not Isocyanate based
Tensile Strength	ASTM D412	11 psi at 75°F (126 kN/m2 at 24°C)
Elongation	ASTM D412 at 75°F (24°C)	300%
Tear Strength	ASTM D624 15 in./min.	1.6 lb./in. at 75°F (595 N/m at 24°C)
Coated Conductor Pull-out Flexgel	Telcordia TA-TSY-000354 Par. 6.15	9.2 lb. (77.8N)/pair 22 AWG (0.65 mm)
Filling Compound Compatibility -Flexgel	Telcordia TA-TSY-000354 Par 6.17	2.1% gain at 70°F (21°C) 4.0% gain at 150°F (66°C)
Polycarbonate Compatibility	TA-TSY-000354 Par. 6.7	No stress cracking or physical property changes observed in samples
Gel Time	3M test method (Sunshine Gel Meter)	100-110 min. at 40°F (4°C) 50-70 min. at 75°F (24°C) 30-40 min. at 110°F (43°C)"
Hydrolytic Stability	Telcordia TA-TSY-000354 Par. 6.01	3% gain
Peak Exotherm	Telcordia TA-TSY-000354 Par. 6.02	6°F rise from 75°F (3°C rise from 24°C)
Water Absorption	ASTM D570	<0.2% gain
Dry Heat Aging	Telcordia TA-TSY-000354 Par. 6.03	2.0% loss
Color		Amber, transparent
Odor		Essentially odorless
Shelf Life	Telcordia TA-TSY-000354 Par. 6.10	No changes in gel time and physical properties after 14 days at 140°F(60°C)
Volumetric Expansion	Telcordia TA-TSY-000354 Par. 6.05	0% observed

Properties (continued)

Property	Test Method	Typical Value
Viscosity Part A & Part B Mixed	3M test method (Brookfield Viscometer)	670 cps at 75˚F (24˚C) (4 minutes) 2150 cps at 40˚F (4˚C) (4 minutes)
Water Sensitivity	Telcordia TA-TSY-00354 Par. 6.07	<1.0% observed
Bond to Materials	Telcordia TA-TSY-00354 Par. 6.12	Good adhesion
Phase Stability	Telcordia TA-TSY-00354 Par. 6.14	Clear with no striations
Compatibility with Trilene, 4442, Caschem 165	Telcordia TA-TSY-00354 Par. 6.09	Complete bonding, no observed adverse effects
Copper Corrosion	Western Electric MS 17000, Section 1139 TA-TSY-000354 Par. 5.2.1	Non-corrosive

Ordering Information – 3M™ High Gel Re-enterable Encapsulant 8882

Product Number	Description	Stock Number	Min. Order	Packaging Type
8882-1500/F	High gel re-enterable encapsulant (1,648 ml)	80-6111-6607-7	2	Foil Film Bag
8882-1900C	High gel re-enterable encapsulant (1,979 ml)	80-6111-6608-5	1	Foil Film Bag
8882-3000/F	High gel re-enterable encapsulant (2-1,648g foil bags) (3,296 ml)	80-6111-6609-3	1	Foil Film Bag
8882-3000C	High gel re-enterable encapsulant (3,123 ml)	80-6113-2190-4	1	Pouch and Pail*
8882-4500C	High gel re-enterable encapsulant (4,683 ml)	80-6113-1719-1	2	Pouch and Pail*
8882-5000C	High gel re-enterable encapsulant (5,208 ml)	80-6111-6610-1	2	Pouch and Pail*
8882-500C	High gel re-enterable encapsulant (521 ml)	80-6111-6611-9	10	Guard Bag
8882-6000	High gel re-enterable encapsulant (6,593 ml)	80-6111-6602-8	1	Pouch and Pail*
8882-750/F	High gel re-enterable encapsulant (824 ml)	80-6111-6612-7	4	Foil Film Bag
8882-750C	High gel re-enterable encapsulant (781 ml)	80-6111-6613-5	4	Foil Film Bag
8882-8000C	High gel re-enterable encapsulant (8,333 ml)	80-6111-6614-3	1	Pouch and Pail*
8882-A	High gel re-enterable encapsulant (90 ml)	80-6111-6603-6	10	Guard Bag
8882-C	High gel re-enterable encapsulant (385 ml)	80-6111-6604-4	10	Guard Bag
8882-D	High gel re-enterable encapsulant (659 ml)	80-6111-6605-1	10	Guard Bag
8882-E	High gel re-enterable encapsulant (292 ml)	80-6111-6606-9	10	Guard Bag

* Pouch & Pail packaging contains bucket, lid, stirrer and disposable gloves

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

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