

PRODUCT:

RE-GEL™

RE-GEL

79474

79487

THE BASICS:

- RE-GEL™ is a high dielectric, non-urethane, re-enterable, encapsulant. RE-GEL™ is intended for use in low and medium voltage power distribution applications and can be used with either insulated conductors or bare connections in applications where moisture must be excluded. RE-GEL™ is intended to replace pitches, petrolatums, mineral or silicone oils in splices, termination chambers for network transformers, and potheads.
- RE-GEL™ has a distinct advantage over the current splice filling compounds because there is no need for the compound to be heated to a liquid state in order to be poured into the splice or equipment. Also, there is no need to pour RE-GEL™ in stages to minimize the formation of air voids, saving several man hours per splice. With RE-GEL™, there is no measurable expansion or contraction of the material over the entire temperature operating range of the cable.
- The use of RE-GEL™ in termination chambers and potheads has the distinct advantage over insulating oils in that, once the material has gelled, it will not leak out of the chamber if there is a failure of the gasket materials. Equipment maintenance is also enhanced since gasket failure will not require immediate de-energizing of the equipment to remove any remaining insulating oil, replace the gasket, and reinstall the oil. RE-GEL™ is non-flammable, therefore it is an excellent choice for termination chambers.

APPLICATIONS:

RE-GEL™ can be used in:

- Single Splices
- Y Splices
- Potheads
- Transition Splices
- Mining Cables and Splices
- Termination Chamber on Network Transformer
- Applications where moisture must be excluded



Easy to Install



Easy to Remove

FEATURES	HOW YOU BENEFIT
Room temperature cured	No heating of chemicals
Gel time 10-20 minutes	Save several man hours per splice
No leaking from transformer termination chambers	No outages and no failures
Safe to employees	No fumes or employee burns
Compatible with cable construction	No damage to paper or tape

TECHNICAL HIGHLIGHTS:

MATERIAL PROPERTIES AT (77°F/25°C)		
Property	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 (100g)	10-20 minutes	TA-NWT-000354
95% Complete	2 hours	
100% Complete	24 hours	
Volumetric Expansion	0%	TA-NWT-000354
Stress Cracking of:		
Polyethylene	Pass	ASTM D1693
Polycarbonate	Pass	TA-NWT-000354
Viscosity - mixed	1000 cps	ASTM D2393
Compatibility:		
Self	Good Bond, No Separation	TA-NWT-000354
Urethane Encapsulant	Good Bond, No Separation	
Shelf Life	1 Year	TA-NWT-000354
Odor	Essentially Odorless	TA-NWT-000354
Phase Stability	Pass	TA-NWT-000354
Dissipation Factor	0.0284@25C 500V	Balsbaugh cell/Okonite Test
Insulation Resistance @ 500 Volts DC	1.2 x 10 ¹² ohms	ASTM D257
Volume Resistivity @ 500 Volts DC	0.6 10 ¹³ ohm.cm	ASTM D257
Dielectric Strength	350 Volts/mil	ASTM D149

*TA-NWT-000354 and MS 17000 are Telcordia Technologies, Inc. requirements.

SAFETY DATA SHEET:

This product is only for sale to and use by service personnel. SDS available at www.rainbowtech.net

PACKAGING:

PRODUCT NUMBER	CONTAINER SIZE	UNITS/ CASE	CASE WEIGHT	CASE SIZE L x W x H
79474	1 Quart Kit	12	6 lbs	16" x 11" x 15"
79487	1 Gallon Kit	1	10 lbs	5 Gallon Pail

CAUTION:

When using Re-Gel in termination chambers or 3 phase potheads, the chambers must be thoroughly cleaned using only Denatured Alcohol. Using any other chemicals other than Denatured Alcohol could lead to serious damages as a result.

ANSWERS TO YOUR QUESTIONS:

Do you have a question about any Rainbow Technology product? Because we've been supplying the utility and telecommunications industries since 1971, our technical support team has the expertise to provide answers and solutions. Just call us at **1.800.637.6047**.

RAINBOW TECHNOLOGY Specialists in Utility Chemicals

DISTRIBUTED BY

Correspondence:
PO Box 26445
Birmingham, AL 35260-0445

Shipping:
261 Cahaba Valley Parkway
Pelham, AL 35124-1146

Phone: 1.800.637.6047 or 1.205.733.0333
Fax: 1.800.521.6896 or 1.205.733.8930
E-mail: sales@rainbowtech.net
Website: www.rainbowtech.net