

Communication Markets Division

3M™ Scotchcast™ Encapsulating and Blocking Compound 4407

3M™ Scotchcast™ Encapsulating and Blocking Compound 4407 is a hard encapsulant designed specifically for permanent splice protection and cable blocking applications. Scotchcast 4407 compound is formulated for virtually every telecommunications application requiring a hard, non-reenterable compound with good handling and performance characteristics. Scotchcast 4407 compound is a two-part polyurethane compound. It features excellent wetting properties and low viscosity, which means it flows quickly and freely. Its low temperature cure properties mean that it may be used in a wide range of temperatures. Scotchcast 4407 compound doesn't contain TDI and meets applicable OSHA standards for safety.



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3M Scotchcast Encapsulating Compound 4407 Properties

Property	Test Method	Typical Value
Tensile strength	ASTM D 412	500 psi (3.45 MPa)
Elongation	ASTM D 412	150%
Hardness	Shore A	70
Apparent free isocyanate	ASTM D 2615-70 (Adaptation)	2.60%
Viscosity	Brookfield at 20 rpm	1200 cps mixed
Gel time	180 gm sample at 23°F	15-21 min.
Exotherm	180 gm sample at 75°F	150°F (66°C) max.
Water Absorption	7 days in 73°F water	0.28% weight gain
Insulation resistance	Aged 28 days/95°F/95% rel. humidity	5 × 10" ohms
Dielectric constant	ASTM D 150-70	4.7 at 10 ³ Hz 3.8 at 10 ⁶ Hz
Dissipation factor	ASTM D 150-70	0.04 at 10 ³ Hz 0.05 at 10 ⁶ Hz
Hydrolytic stability	7 days in water at 212°F	+2.0% weight gain -10 points, Shore A hardness
Dry heat aging	21 days at 225°F	6.0% weight loss +11 Shore A
Copper corrosion	30 days at 95°F/95% rel. humidity under 45V	0
Stress cracking	On cut and stressed polyethelene for 48 hours/120°F	0
Fungi resistance	ASTM G 21-70	0

Ordering Information

Part Number	Product Description	Package Quantity	Packaging Type	3M Stock Number
4407-A	Encapsulating compound 89 ml (94g)	10 each	Guard bag overpacked	80-6100-6033-9
4407-B	Encapsulating compound 197 ml (209g)	10 each	Guard bag overpacked	80-6100-6034-7
4407-E	Encapsulating compound 283 ml (300g)	10 each	Guard bag overpacked	80-6100-6040-4
4407-C	Encapsulating compound 396 ml (420g)	10 each	Guard bag overpacked	80-6100-6036-2
4407-D	Encapsulating compound 636 ml (675g)	10 each	Guard bag overpacked	80-6100-6038-8
4407-1500/F	Encapsulating compound 1,415 ml (1500g)	2 each	Two part foil film bag	80-6110-1252-9

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**Стандарт
Электрон
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

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