

3M Scotchcast™ 2136 Potting Kit

Category : Other Engineering Material

Material Notes:

The 3M Scotchcast Potting Kit 2136 is designed to provide protection against corrosion and possible deteriorating effects of fresh swimming pool or fountain water and sunlight by reliably encapsulating the 8 AWG ground connection in a wet-niche shell as required by NEC when using rigid, non-metallic conduit in the installation of wet-niche underwater lighting fixtures. Scotch cast 2136 compound is UL Listed as a potting compound for swimming pool, fountain or spa equipment and is for use only where adhering to copper, copper alloy and stainless steel materials. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotchcast-2136-Potting-Kit.php

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in ³	Polyol [Part B]; ASTM D891
	1.018 g/cc	0.03678 lb/in ³	ASTM D891
	1.02 g/cc	0.0368 lb/in ³	Mixed; ASTM D891
	1.077 g/cc	0.03891 lb/in ³	Prepolymer [Part A]; ASTM D891
Viscosity	770 cP	770 cP	Prepolymer [Part A]; 3M Method TM-173
	1694 cP	1694 cP	Polyol [Part B]; 3M Method TM-173

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	ASTM D2240
Tensile Strength at Break	6.43 MPa	933 psi	20'/min; ASTM D412
Elongation at Break	418 %	418 %	20'/min; ASTM D412

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-80.0 °C	-112 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	12.5 kV/mm	318 kV/in	after 7 days 100°C; ASTM D149
	13.1 kV/mm	334 kV/in	ASTM D149

Descriptive Properties	Value	Comments
Appearance	Black	Polyol [Part B]

Descriptive Properties	Black Value	Mixed Comments
	Pale to Clear	Prepolymer [Part A]

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