



RC-7000-350

ENCAPSULATION SYSTEM

TECHNICAL DATA

Product Description

RC-7000-350 is a room temperature curing two part polybutadiene system designed to be used for high performance encapsulation applications. The one to one mix ratio product cures at room temperature in two hours to a tough and flexible polymer. .

APPLICATIONS	FEATURES	RECOMMENED SUBSTRATES
Encapsulation	Two Part	
Potting	Room temperature cure	
	Flexible	

UNCURED PROPERTIES*		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class, Part A: Part B	Polyester	N/A
Mixed Color	Light Amber	N/A
Soluble in	NA	N/A
Specific Gravity, Part A: Part B	0.88-0.89	N/A
Mixed Viscosity, 25C, cps	1,000	ASTM D1084
Viscosity, 25C, cps, Part A: Part B	1020 : 1000	ASTM D1084
Mix Ratio Weight, Iso:Polyol	1 to 1	N/A
Mix Ratio by Volume, Iso: Polyol	1 to 1	N/A
CURED MECHANICAL PROPERTIES*		
Property	Value	Test Method
Durometer, Hardness, Shore A	23	ASTM D2240
Moisture Resistance	Excellent	N/A
Operating Temperature, C	-50 to 120	N/A
Tensile Strength, psi	>100	ASTM D638
Dielectric Constant, 1kHz	2.6	LIT
Dissipation Factor, 2 kHz	0.01	LIT
Elongation, %	200	ASTM D638
Dielectric Strength, Volt/mil	400	ASTM D149
CURED OVERVIEW*		
Property	Value	Test Method
Work Life, 20 grams @ 25C, min	40	N/A
Gel Time, 20 grams @ 25C, min	120	N/A
Cure Time @ Room Temperature, hrs	24-48	N/A
Cure Time @ 65C, min	60	N/A

Storage: RC-7000-350 has a 24 month shelf life when stored in closed containers. Product needs to be stored in a temperature controlled environment to insure stability. The product is moisture sensitive Use dry Nitrogen to purge container of moist air prior to resealing.

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