RAKU-TOOL[®] RS-9210

Tin Silicone

10A Tin Silicone



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Key Properties	Applications	
 High Strength 	 Room temperature hand batch processing 	
•Low Durometer	Hobby and arts projects	

- Minimal Shrinkage
- •Easy 10:1 Mix

- Rapid prototyping rollers
- •Mold making

			Silicone	Activator
	visual		White	Pink
		pbw	100	10
		pbv	100	11
	ASTM D-792	g/cm ³	1.13	0.99
25°C (77°F)	ASTM D-2393	сР	29,000	110
	25°C (77°F)	ASTM D-792	ASTM D-792 g/cm ³	visual White pbw 100 pbv 100 pbv 100 g/cm ³ 1.13

			Mixture	
Mix Viscosity at	25°C (77°F)	ASTM D-2393	сР	20,500
Working Life			min	50-85
Demold Time at	25°C (77°F)		hour	16-24

Cured / Mechanical Properties

Cure: 7 days @ 77°F (25°C)			Cure		
Aspect	visual		Pink		
Density	ASTM D-792	g/cm ³	1.10		
Cubic Inches per Pound		in ³ /lb	30.448		
Shore A Hardness	ASTM D-2240		5-15		
Tensile Strength	ASTM D-638	psi	440		
Elongation at Break	ASTM D-638	%	540		
Linear Shrinkage	ASTM D-2566	in./in.	NIL		
Tear Strength	ASTM D-624	pli	130		

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Processing

The processing and material temperature should be between 68-77°F (20-25°C). Because pigments can settle during storage, the activator should be thoroughly stirred before mixing. Air entrapped during mixing should be removed before poured to prevent voids in the cured product. Deair the mixed material under a vacuum of 25mm (29in) of Hg. The mixture will froth and expand 4x its volume, crest, and recede to its original volume as the bubbles break. Degassing is usually complete about 2 minutes after frothing subsides.

Quart Kit 2.0 lbs. 1.0 kg 1 Gal. Kit 8.8 lbs. 4.0 kg 5 Gal. Kit 44.0 lbs. 20.0 kg	Packaging
	Quart Kit
5 Gal Kit 44.0 lbs 20.0 kg	1 Gal. Kit
	5 Gal. Kit
Drum Kit 440 lbs. 199.6 kg	Drum Kit

Storage

Original containers should be kept tightly sealed and stored at ambient temperatures 59-86°F (15-30°C). If properly stored the products have the shelf-life indicated on the product label. Partly used containers should always be sealed appropriately and used as soon as possible.

Handling Precautions

Good workplace ventilation is to be ensured during processing. At the same time, the employer's liability insurance association's industrial hygiene safety regulations regarding the handling of reaction resins and their hardeners are to be observed. Please take heed of the appropriate safety data sheets.

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Our recommendations on the use of the material are based on many years of experience and current scientific and practical knowledge. They are, however, provided without any obligation on our part and do not relieve the buyer of the need for suitability tests. They do not constitute a legal relationship, nor are any protected third party rights whatsoever affecter thereby.

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