RAKU-TOOL® RS-9225



02/02/22

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Tin Silicone

25A Tin Silicone

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Applications

•Room temperature hand batch processing

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- Hobby and arts projects
- Rapid prototyping rollers
- Mold making

Key Properties

- •High Strength
- •Low Durometer
- •Minimal Shrinkage
- •Easy 10:1 Mix

Processing Properties

			Silicone	Activator	
Aspect		visual		White	Blue
Mix Ratio			pbw	100	10
			pbv	100	11
Density		ASTM D-792	g/cm ³	1.15	0.99
Viscosity at	25°C (77°F)	ASTM D-2393	сР	33,000	125

			Mixture	
Mix Viscosity at	25°C (77°F)	ASTM D-2393	сР	24,500
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		Blue	
Density	ASTM D-792	g/cm ³	1.10	
Cubic Inches per Pound		in ³ /lb	30.448	
Shore A Hardness	ASTM D-2240		20-30	
Tensile Strength	ASTM D-638	psi	615	
Elongation at Break	ASTM D-638	%	525	
Linear Shrinkage	ASTM D-2566	in./in.	.003004	
Tear Strength	ASTM D-624	pli	155	

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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 thouroughly stored 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 receed to its original volume as the bubbles break. Degassing is usually complete about 2 minutes after frothing subsides.

Packaging					
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	
Drum Kit	440	lbs.	199.6	kg	

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 the 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.