

STAR Technology

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504-01

EPOXY CASTING SYSTEM

DESCRIPTION

STAR Technology 504-01 is a silicon carbide- filled, room temperature curing surface coat used to produce an abrasion resistant surface. 504-01 has a creamy consistency, which makes it easy to apply without sag or run off on vertical surfaces and over sharp radii. When choosing any surface coat, consideration should be given to tool size, configuration, build method, and final use. Surface coat thickness of 0.030" is considered average for room temperature applications. Typical applications for 504-01 include prototypes, master models; trim fixtures, duplication splashes, Keller models, holding fixtures, patterns, and core boxes.

BENEFITS

Exceptional wear resistance Low shrinkage

TYPICAL PROPERTIES

	<u>TEST METHOD</u>	<u>VALUE</u>
Mix Ratio, Resin to Hardener Parts by Weight		100A: 10B
Parts by Volume		100A: 17B
Viscosity (centipoise)	ASTM D2393	A = 200,000 B = 3,000 Mixed = 15,000
Density (lbs./cuff.)	ASTM D1475	106.79
(Lbs./gal.)		14.31
Pot Life at 75 ° F (minutes)	ASTM D2471	30
Cure Time at 75 ° F (days)		7
Color		Grey
Shore Hardness (D)	ASTM D2240	~90

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