

Devcon Stainless Steel Putty (ST)

Epoxy; Epoxide

Devcon

Message:

A stainless steel-filled epoxy for rebuilding and repairing stainless steel equipment.
Intended Use:
Repairs cracks, dents, and breaks in stainless steel machinery or castings; rebuilds dairy equipment; repairs stainless steel holding tanks
Product features:
Acceptable for use in meat and poultry plants
Machinable to metallic finish
NSF® Approved (Certified to ANSI/NSF61)
Resistant to chemicals and most acids, bases, solvents, and alkalis

General Information			
Filler / Reinforcement	Stainless steel fiber		
Features	Solvent resistance		
	Machinable		
	Good chemical resistance		
	alkali resistance		
	acid resistance		
Uses	Metal repair materials		
	Potable water application		
Agency Ratings	NSF 61		
Appearance	Dark gray		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.50	g/cm³	
Specific Volume	0.448	cm³/g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	121	°C	
Wet	49	°C	
Tensile Shear Adhesion	16.4	MPa	ASTM D1002
Molding Shrinkage - Flow	0.10	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5520	MPa	ASTM D638
Flexural Strength	36.4	MPa	ASTM D790
Compressive Strength	57.9	MPa	ASTM D695

Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	6.1E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.51	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	1.2	kV/mm	ASTM D149
Dielectric Constant	75.0		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Mixing ratio by weight: 11			
Component a			
Mixing ratio by capacity: 3.8			
Mixing ratio by weight: 1.0			
Component B			
Mixing ratio by capacity: 1.0			
Pot Life (24°C)	58	min	
Additional Information	Nominal Value	Unit	Test Method
Cured 7 days @ 75°F			
Uncured Properties	Nominal Value	Unit	Test Method
Curing Time	16	hr	

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