

# Devcon Plastic Steel Putty (A)

Epoxy; Epoxide

Devcon

Message:

A steel-filled epoxy putty that cures at room temperature and is designed for filling, rebuilding, and bonding metal surfaces.

Intended Use:

Patching and repairing areas where welding or brazing would be undesirable or impossible

Product features:

Applies easily to vertical surfaces

Machinable to metallic finish

Bonds to aluminum, concrete, and many other metals

Resistant to chemicals and most acids, bases, solvents, and alkalis

General Information			
Filler / Reinforcement	Steel filler		
Features	Solvent resistance		
	Machinable		
	Adhesiveness		
	Good chemical resistance		
	alkali resistance		
	alkali resistance		
	acid resistance		
Uses	Metal repair materials		
	Fill application		
	Bonding		
Agency Ratings	MIL PRF-24176C		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.33	g/cm³	
Specific Volume	0.430	cm³/g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	121	°C	
Wet	49	°C	
Tensile Shear Adhesion	19.3	MPa	ASTM D1002
Molding Shrinkage - Flow	0.060	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5860	MPa	ASTM D638

Flexural Strength	38.6	MPa	ASTM D790
Compressive Strength	57.0	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	8.6E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.57	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	1.2	kV/mm	ASTM D149
Dielectric Constant	67.5		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			

Mixing ratio by weight: 9.0

Component a

Mixing ratio by capacity: 2.5

Mixing ratio by weight: 1.0

Component B

Mixing ratio by capacity: 1.0

Pot Life (24°C)	45	min
-----------------	----	-----

Additional Information	Nominal Value	Unit	Test Method
------------------------	---------------	------	-------------

Cured 7 days @ 75°F

Uncured Properties	Nominal Value	Unit	Test Method
--------------------	---------------	------	-------------

Curing Time	16	hr
-------------	----	----

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT