

Devcon Epoxy Plus™ 25

Epoxy; Epoxide

Devcon

Message:

Rubber-toughened, high viscosity, structural adhesive with superior impact, peel and fatigue resistance.

Intended Use:

Bonds metals, thermoset plastics and structural parts.

Product Features:

Non-shrinking

High dielectric strength

Excellent durability and flexibility

General Information			
Features	Impact resistance, high		
	Good flexibility		
	Fatigue resistance		
	Durability		
	Low shrinkage		
	Viscosity, High		
Uses	Bonding		
	Adhesive		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Specific Volume	0.838	cm ³ /g	
Solid content-by Volume	100	%	
Impact Resistance	21.0	kJ/m ²	
Service Temperature	-40 - 93	°C	
Work Time	25.0	min	
Tensile Shear Adhesion	19.0	MPa	ASTM D1002
Density ¹	1.14	g/cm ³	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	74		ASTM D2240
Mechanical	Nominal Value	Unit	
Tensile Elongation (Break)	20	%	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	22	kV/mm	ASTM D149
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			

Mixing ratio by weight: 57

Component a

Mixing ratio by capacity: 1.0

Mixing ratio by weight: 43

Component B

Mixing ratio by capacity: 1.0

Thermoset Mix Viscosity	70000	cP
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Additional Information	Nominal Value	Unit	Test Method
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Cured 7 days @ 75°F

Uncured Properties	Nominal Value	Unit	Test Method
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Curing Time	30	hr
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NOTE

1. Mixed

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