

# Devcon HP 250

Epoxy; Epoxide

Devcon

Message:

High performance epoxy with high shear strength and impact toughness for structural assembly applications.  
Intended Use:  
Bonds metals, FRP/SMC composites,phenolics, stainless steel, aluminum, vinyl esters, nylon, PVC,PC,styrenics, wood, and rigid plastics.  
Product Features:  
Non-corrosive/outstanding chemical resistance  
Excellent salt spray durability

General Information			
Features	Anti-salt water/fog		
	Impact resistance, high		
	Good chemical resistance		
	Non-corrosive		
Uses	Metal bonding		
	Bonding		
Physical	Nominal Value	Unit	Test Method
Specific Volume	0.921	cm <sup>3</sup> /g	
Solid content-by Volume	100	%	
Impact Resistance	16.7	J	
Service Temperature	-55 - 121	°C	
Work Time (22°C)	1.1	hr	
Tensile Shear Adhesion	22.1	MPa	ASTM D1002
Density <sup>1</sup>	1.08	g/cm <sup>3</sup>	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	78		ASTM D2240
Mechanical	Nominal Value	Unit	
Tensile Elongation (Break)	25	%	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	19	kV/mm	ASTM D149
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Mixing ratio by weight: 100			
Component a	Mixing ratio by capacity: 2.0		

Mixing ratio by weight: 42

Component B	Mixing ratio by capacity: 1.0		
Thermoset Mix Viscosity	105000	cP	
Additional Information	Nominal Value	Unit	Test Method
Cured 7 days @ 75°F			
Uncured Properties	Nominal Value	Unit	Test Method
Curing Time (22°C)	24	hr	
NOTE			
1.	Mixed		

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#### Recommended distributors for this material

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