

# BR® 623P4

Epoxy; Epoxide  
Cytec Industries Inc.

## Message:

BR® 623P4 is a one-part epoxy material designed for use in insert or edge filling of honeycomb structures. It has been formulated to offer the benefit of low viscosity, making it especially suitable for hand filling of small cell size [1/8 inch (3.175 mm)] and deep section [ > 1 inch (> 25.4 mm)] honeycomb core and for applications with automated pumping or dispensing equipment.

The long working out-life of BR 623P4 at room temperature eliminates the need for cleaning out pumping equipment pipe work with solvent materials. The low cured density (0.70 g/cm<sup>2</sup> ) and high mechanical performance of BR 623P4 allows for excellent specific properties in honeycomb structures. The thixotropic nature of BR 623P4 ensures that there is no slump of the potting compound when used for edge filling of honey comb panels.

Suggested Applications:  
Insert or edge filling of honeycomb structures

General Information		
Features	Low Density	
	Low Smoke Emission	
	Low to No Odor	
	Low Viscosity	
	Self Extinguishing	
	Thixotropic	
Uses	Aerospace Applications	
	Filling Applications	
	Structural Parts	
Agency Ratings	FAR 25.853	
Appearance	Yellow	
Processing Method	Potting	
Physical	Nominal Value	Unit
Specific Gravity	0.650 to 0.750	g/cm <sup>3</sup>
Mechanical	Nominal Value	Unit
Compressive Strength <sup>1</sup>		
80°C	42.0	MPa
23°C	53.0	MPa
-55°C	66.0	MPa
Additional Information	Nominal Value	Unit
Volatiles	< 1.0	%
NOTE		
1.	Block Compression	

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Recommended distributors for this material

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