

BCC Resins BC 6005

Epoxy; Epoxide

BCC Products Inc.

Message:

BC 6005 is a snow white thixotropic epoxy resin designed specifically for quality reproduction of a variety of surfaces. A room temperature cure system that offers ample working time yet affords quick-tack for lamination. BC 6005 may be applied easily with a brush or troweled to a thickness of 1/8" or less on vertical surfaces or over sharp radii without sag or fear of run-off. When cured, this resin system provides a hard tough chip-resistant surface.

General Information			
Features	Good Toughness		
	Resilient		
	Thixotropic		
Uses	Coating Applications		
Appearance	White		
Forms	Paste		
Processing Method	Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.50	g/cm ³	ASTM D792
--	1.49	g/cm ³	ASTM D1505
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	89		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	46.9	MPa	ASTM D638
Flexural Modulus	6620	MPa	ASTM D790
Flexural Strength (Break)	61.4	MPa	ASTM D790
Compressive Strength	90.3	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	58.9	°C	ASTM D648
CLTE - Flow	7.7E-5	cm/cm/°C	ASTM D696
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 1.0, Mix Ratio by Volume: 1.0		
Resin	Mix Ratio by Weight: 6.0, Mix Ratio by Volume: 4.0		
Pot Life (25°C)	18 to 22	min	
Demold Time (25°C)	480 to 720	min	

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