

BCC Products BC 6005 Epoxy Surface Coat

Category : Polymer , Thermoset , Epoxy

Material Notes:

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. Information provided by BCC Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BCC-Products-BC-6005-Epoxy-Surface-Coat.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	89	89	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Tensile Strength, Ultimate	46.9 MPa	6800 psi	
Flexural Strength	61.4 MPa	8900 psi	
Flexural Modulus	6.62 GPa	960 ksi	
Compressive Strength	90.3 MPa	13100 psi	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	58.9 °C	138 °F	

Processing Properties	Metric	English	Comments
Cure Time	480 - 720 min	8.00 - 12.0 hour	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Pot Life	18 - 22 min	18 - 22 min	4 oz. mass
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Descriptive Properties	Value	Comments
Mix Ratio	6:1 by weight, 4:1 by volume, resin/harder	
Mixed Viscosity, Brookfield	Thixotropic	

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