

BCC Products BC 6126 Epoxy Surface Coat/Casting

Category : Polymer , Thermoset , Epoxy

Material Notes:

BC 6126 is a gray, low toxicity, aluminum filled, epoxy surface coat. This thixotropic resin system provides excellent surface duplication along with vertical coverage to 1/16 inch thickness. This heat resistant system may be used at room temperature without post-curing. For use above 150°F a post-cure is required. BC 6126 was engineered to replace VCHD and MDA systems while retaining excellent heat resistance. It is designed for consistent use up to 300°F. Uses: constructing vacuum form tools, RTM and RIM molds, compression and injection molds, and matched dies. Information provided by BCC Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BCC-Products-BC-6126-Epoxy-Surface-CoatCasting.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Tensile Strength, Ultimate	40.0 MPa	5800 psi	
Flexural Strength	44.8 MPa	6500 psi	
Compressive Strength	193 MPa	28000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	42.5 µm/m-°C	23.6 µin/in-°F	
Deflection Temperature at 1.8 MPa (264 psi)	144 °C	291 °F	

Processing Properties	Metric	English	Comments
Cure Time	960 min	16.0 hour	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Pot Life	45 min	45 min	1 lb. mass
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Descriptive Properties	Value	Comments
Mix Ratio	100:10 by weight, 100:15 by volume, resin/harder	
Mixed Viscosity, Brookfield	Thixotropic	

Descriptive Properties	Value	Comments
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