

BCC Products BC 6128 Epoxy, Hi-Heat, Abrasion Resistant

Category : Polymer , Thermoset , Epoxy , Epoxy, High Temperature

Material Notes:

BC 6128 is a black, non-staining, silicon carbide filled, "die surface" surfacing resin. This thixotropic resin system provides excellent surface duplication along with good vertical coverage. Extended mold life due to superior wear resistance and hardness are the major benefits derived from its use. This heat resistant system may be used at room temperature without post-curing. For use above 150° F a post-cure is required. BC6128 can afford consistent use to 300° F if required. Does not contain VCHD or MDA. Designed for uses in: RTM and RIM molds, constructing vacuum form tools, injection and compression 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-6128-Epoxy-Hi-Heat-Abrasion-Resistant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.84 g/cc	1.84 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	92	92	
	@Temperature 23.9 °C	@Temperature 75.0 °F	
Tensile Strength, Ultimate	51.4 MPa	7450 psi	
Flexural Strength	81.4 MPa	11800 psi	
Compressive Strength	199 MPa	28800 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	37.8 µm/m-°C	21.0 µin/in-°F	

Processing Properties	Metric	English	Comments
Cure Time	960 min	16.0 hour	
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Pot Life	35 - 45 min	35 - 45 min	1 lb. mass
	@Temperature 24.0 °C	@Temperature 75.2 °F	

Descriptive Properties	Value	Comments
Mix Ratio	100:7 by weight, 100:13 by volume, resin/harder	
Mixed Viscosity, Brookfield	Thixotropic	

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