

BCC Resins BC 7136

Epoxy; Epoxide

BCC Products Inc.

Message:

BC 7136 is a gray, low toxicity, aluminum filled, epoxy casting resin. This heat resistant system may be used at room temperature without post-curing. May be cast to a thickness of ¾ inch in non-conductive molds. For use above 150°F a post-cure is required. Post cure for applications requiring temperatures above 150°F can be accomplished in an oven or in use by a gradual heat rise; 2 hours @ 150°F, plus 2 hours @ 250°F, plus 2 hours at 300°F. BC 7136 can afford consistent use to 300°F if required. This product was engineered to replace VCHD and MDA systems while retaining excellent heat resistance and low viscosity. Typical uses include constructing vacuum form tools, Injection and compression molds, RTM and RIM molds, and matched dies.

General Information			
Filler / Reinforcement	Aluminum		
Features	High Heat Resistance		
	Low Toxicity		
	Low Viscosity		
Uses	Molds/Dies/Tools		
Appearance	Grey		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.69	g/cm ³	ASTM D792, ASTM D1505
Molding Shrinkage - Flow	0.11	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	53.8	MPa	ASTM D638
Flexural Strength (Break)	59.3	MPa	ASTM D790
Compressive Strength	200	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	152	°C	ASTM D648
CLTE - Flow	3.4E-5	cm/cm/°C	ASTM D696
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 7.0, Mix Ratio by Volume: 12		
Resin	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Pot Life (24°C)	85	min	
Thermoset Mix Viscosity (24°C)	15000	cP	ASTM D2393
Demold Time	1400	min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

