

BCC Resins BC 8009

Polyurethane

BCC Products Inc.

Описание материалов:

BCC Slo-Kast is a low viscosity, medium setting, easy to use casting material. This polyurethane system features extremely low shrinkage when properly cured. Unlike Kwik-Kast, BC 8009 offers the user longer working time (15 minutes for filling closed mold cavities and up to 25 minutes when casting into open molds). Slo-Kast is ideal for casting large sections without having to stage pour. Uses included; tracing models, core boxes, keller aids, patterns, core sticks, vacuum form tools, prototypes and display parts.

Handling Properties:

BCC's Slo-Kast is a moderately fast-setting, two part casting system (Part A & Part B). If settling from long storage has occurred, re-mix contents of each container on a mechanical paint shaker, jiffy mixer, or other suitable mixing equipment. Precaution should be taken to prevent any moisture contamination. Use dry equipment and containers and keep covered when not in use. It is recommended that the work area be well ventilated and normal cleanliness and safety rules be observed. Avoid prolonged exposure to vapors and contact with skin.

Preparation of Mold Surface:

Clean the surface from dust and possible presence of moisture. Apply BC 87 Parting Agent and polish to a uniform high gloss finish (usually 2-3 coats are recommended). For plaster or wood surfaces seal with PVC sealer to ensure complete absence of moisture followed by 2-3 coats of 87 Parting Agent.

Mixing and Pouring:

Pour weighed or measured amounts of Part A & B into a separate dry container by pouring Part A into Part B. Mix with a spatula or mechanical stirrer for 1 minute for quart size batches or 2 minutes for gallon batches. After mixing both parts allow container to sit undisturbed 3-4 minutes before pouring. This "induction time" will result in superior surface qualities of the cast piece. Pour mixed resin uninterrupted from a convenient height above the mold cavity to resist air bubble entrapment. Clean your mixing tools by rinsing in an alcohol type solvent. Larger masses (2 feet or more) may be built up with successive pours. Castings may be demolded in as little as 3.5-4 hours, but should be properly supported while "green". If partially cured casting is disturbed, a surface film may result. This is easily removed by wiping with mineral spirits or lacquer thinner. Under normal conditions, maximum hardness or cure will be achieved in 24-48 hours.

Главная Информация			
Характеристики	Низкая усадка Низкая вязкость		
Используется	Прототипирование		
Внешний вид	Черный Серый		
Формы	Жидкость		
Метод обработки	Литье		
Физический	Номинальное значение	Единица измерения	Метод испытания
Удельный вес	1.67	g/cm ³	ASTM D792
Формовочная усадка-Поток	0.020	%	ASTM D955
Твердость	Номинальное значение	Единица измерения	Метод испытания
Твердость дюрометра (Shore D)	83		ASTM D2240
Механические	Номинальное значение	Единица измерения	Метод испытания
Прочность на растяжение (Break)	40.3	MPa	ASTM D638
Прочность на сжатие	60.7	MPa	ASTM D695

Тепловой	Номинальное значение	Единица измерения	Метод испытания
Температура отклонения при нагрузке (1.8 МПа, Unannealed)	78.3	°C	ASTM D648
Термокомплект	Номинальное значение	Единица измерения	Метод испытания
Компоненты термокомплекта			
Hardener	Mix Ratio by Weight: 1.0, Mix Ratio by Volume: 1.0		
Resin	Mix Ratio by Weight: 1.0, Mix Ratio by Volume: 1.0		
Срок службы горшка (25°C)	15 to 25	min	
Терморегулирующая вязкость	2250	cP	ASTM D2393
Время демолд (24°C)	210 to 240	min	

* Отказ от ответственности: Информация на этой странице предоставлена производителем, и поставщик документа не несет никакой юридической ответственности. Все права защищены. Пожалуйста, немедленно свяжитесь с нами в случае каких-либо нарушений.

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