



**BCC PRODUCTS, INC.**

**BLEHM PLASTICS**

FAST CAST – EPOXIES – ADHESIVES - POLYSULFIDES - URETHANES – POLYESTER PASTES – TOOLING BOARDS – RELEASE AGENTS – SILICONES

**Preliminary Data Sheet  
BC Flex-Kast Clear Series  
WATER CLEAR FLEXIBLE URETHANE ELASTOMER**

**Flex-Kast Clear** is a two-component water clear UV resistant urethane elastomer compound designed for general purpose molding and casting of various shapes where optimum clarity is desired. This product is a safe, easy-to-handle, room temperature mixing and curing system that contains no TDI, MDA or MOCA. **Flex-Kast Clear** may also be used in potting and encapsulating applications.

**Product Highlights**

- Excellent clarity
- UV resistant
- Room temperature cure
- Longer gel time for mixing and degassing

**Product Uses**

- Mold Fabrication
- Decorative effects
- Doming
- Casting clear sculptures

**Working Properties**

Hardness	55 Shore A	75 Shore A	95 Shore A	70 Shore D
Mix Ratio by volume (poly/iso)	2 Parts 55A Polyol 1 Part Isocyanate	1.5 Parts 75A Polyol 1 Part Isocyanate	1 Part 95A Polyol 1 Part Isocyanate	1 Part 70D Polyol 1.5 Parts Isocyanate
Mix Ratio by wt.	100 Parts 55A Polyol 51.5 Parts Isocyanate	100 Parts 75A Polyol 68 Parts Isocyanate	100 Parts 95A Polyol 103 Parts Isocyanate	100 Parts 70D Polyol 154 Parts Isocyanate
Gel Time	20 to 30 min.			

**Physical Properties**

	55 A	75 A	95 A	70 D
Durometer (+/- 3pts.)	55 A	75 A	95 A	70 D
Tensile (psi)	480	780	2180	5380
Tear (pli)	59	84	210	1020
Elongation	230%	260%	260%	80%

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## Mold Preparation and Mold Release

When **Flex-Kast Clear** - is used with plaster models, wood models, or other porous substrates, it is recommended the substrate surfaces first be sealed. Release agents may then be applied over the sealed surface.

## Storage and Safety

Store in a dry, cool place. Unopened containers of **Flex-Kast Clear** - have a shelf life of 6 months when stored inside under normal conditions ( $75F \pm 15F$ ). In order to prevent moisture contamination, once containers have been opened, they should be purged with dry nitrogen prior to replacing lids or caps. This material should be used in a well-ventilated area. Avoid contact with skin using protective gloves as well as protective clothing. Always use approved safety glasses or goggles when handling this product. Note: Before using this product, please refer to the Material Safety Data Sheet

NOTE: The information contained herein is believed to be reliable. All recommendations are made without guarantee inasmuch as conditions and methods of commercial use are beyond our control. Properties given are typical values and are not intended for use in preparing specifications. It is expressly understood and agreed that customer assumes and hereby expressly releases Bcc Products from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information