



WC-565 A/B

WATER CLEAR SHORE 65 A

POLYURETHANE ELASTOMER

PRODUCT DESCRIPTION:

WC-565 A/B is a two-part, water clear, colorless aliphatic based polyurethane elastomer. It is recommended for use whenever a flexible, permanently transparent elastomer is required. It can be easily tinted to clean bright colors and will retain its color provided stable colorants are used. WC-565 A/B does not contain MOCA, TDI or MDA. This product exhibits excellent fuel and oil resistance as well.

PHYSICAL PROPERTIES:

Hardness, Shore A ASTM D-2240.....	65 ± 5
Specific Gravity, (g/cc) cured ASTM D-792	1.02
Tensile Strength, (psi) ASTM D-412.....	425
Elongation, (%) ASTM D-412.....	150
Tear Strength, (pli) ASTM D-624	65
Shrinkage, (in./in.) linear ASTM D-2566.....	0.004

HANDLING PROPERTIES:

Mix Ratio (by weight):

Part A	100 parts by weight
Part B	100 parts by weight

Mix Ratio (by volume):

Part A	95 parts by volume
Part B	100 parts by volume

Mixed Viscosity, (cps) @ 77°F (25°C) Brookfield..... 1,400

Color:

Part A	Clear liquid
Part B	Hazy, Colorless liquid

Work Time, (100-gram mass) @ 77°F (25°C)..... 15 minutes

Gel Time

.....	20 minutes
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Demold Time @ 77°F (25°C)..... 6 hours, ¼" thick; 4 hours in larger mass

Cure Schedule..... Full cure 3 - 5 days at room temperature. May be post cured within this time period at 150°F (66°C) for 6 - 8 hours for maximum properties.

NOTE:

The cure will be inhibited if cast against a tin catalyzed silicone RTV.

STORAGE AND HANDLING:

All materials should be kept in tightly closed containers out of contact with moist air. Stored under these conditions at temperatures of 60° - 80°F (16° - 27°C), the shelf life is 6 months, from date of shipment. Part B may turn hazy or partially freeze below 65°F (18°C) storage. Warming to 80° - 90°F (27° - 32°C) will return product to a clear state.

PACKAGING:

Gallon Kits..... 8 lbs. A, 8 lbs. B
5 Gallon Kits..... 40 lbs. A, 40 lbs. B
55 Gallon Drum Kits 400 lbs. A, 400 lbs. B

SAFETY PRECAUTIONS:

Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction. Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product. Use in well-ventilated areas. Avoid breathing vapors. If exposures cannot be kept at a minimum, a respirator may be necessary in addition to ventilation. The use of a positive pressure air supplied respirator is mandatory when airborne isocyanate concentrations are "not known" or exceeds OSHA'S TWA of 0.005 ppm. Air purifying, organic cartridge type respirators are not generally recommended to use when handling this material without implementation of an end of life service program. Observe OSHA regulations for respirator use (29 CFR 1910.134). Employers are responsible for selecting the correct respirator for each situation.

IF CONTACT OCCURS:

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Seek qualified medical attention if allergic reactions occur.

Eyes: Immediately flush with water for at least 15 minutes. Call a physician.

Ingestion: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

Refer to the Material Safety Data Sheet before using this product.