

TECHNICAL DATA SHEET
DESCRIPTION

This is an extremely versatile two component urethane adhesive and potting system for medical device assembly. It achieves very good bonds to polycarbonate, polyvinyl chloride, polysulfone, SBR, acrylics, and most metals including stainless steel. Typical applications include potting hollow fibers, potting fold membranes, and catheter assembly. FDA letter is available on request.

TYPICAL PHYSICAL PROPERTIES and GENERAL INFORMATION

Property	Part A	Part B	Blend
BLENDING RATIO BY VOLUME	100	50	
BLENDING RATIO BY WEIGHT	100	62.5	
COLOR	AMBER	AMBER	YELLOW
COLOR MODIFIER	CLEAR		CLEAR
DENSITY, ASTM D0792, WEIGHT PER U.S. GALLON (lb-mass/gal)	7.95 - 8.05	10 - 10.2	8.65 - 8.85
GEL TEMPERATURE, TMTS144, GEL TIME TEMPERATURE (F.) (deg. F)			76 - 78
GEL TIME, GEL TIME IN MINUTES (3 FL.OUNCES MIN: 2.8 MAX: 3.2) (minute)			13 - 17
HARDNESS, SHORE A			85 - 95
ODOR	NEUTRAL	NEUTRAL	
SHELF LIFE (day)	180	180	
SOLID CONTENT (NON-VOLATILES), TMWB052, SOLIDS (percent)		100	
TENSILE STRENGTH, ASTM D1002, AVERAGE TEST VALUE #3 (30 DAY RT CURE/TESTED @ 77F ON #840 LEXAN/#840 LEX) (lb-f/in ²)			1,600
TENSILE STRENGTH, ASTM D1002, AVERAGE TEST VALUE #4 (30 DAY RT CURE/TESTED @ 77F ON #700 LEXAN/ABS) (lb-f/in ²)			525
TENSILE STRENGTH, ASTM D1002, AVERAGE TEST VALUE #5 (30 DAY RT CURE/TESTED @ 77F ON #700 LEXAN/RUBBER) (lb-f/in ²)			570
TENSILE STRENGTH, ASTM D1002, AVERAGE TEST VALUE-2052 (0 DAY RT CURE/TESTED @ 77F ON POLYCARBONATE/ITSELF) (lb-f/in ²)			577
TENSILE STRENGTH, ASTM D1002, AVERAGE TEST VALUE-2052 (30 DAY RT CURE/TESTED @ 77F ON #700 LEXAN/#700 LEX) (lb-f/in ²)			1,350
TENSILE STRENGTH, ASTM D1002, AVERAGE TEST VALUE-2052 (60 DAY RT CURE/TESTED @ 77F ON PVC / PVC) (lb-f/in ²)			213
TENSILE STRENGTH, ASTM D1002, AVERAGE TEST VALUE-2052 (60 DAY RT CURE/TESTED @ 77F WITH ABS / ABS) (lb-f/in ²)			437
TENSILE STRENGTH, ASTM D1002, AVERAGE TEST VALUE-2055 (30 DAY RT CURE/TESTED @ 77F ON #740 LEXAN/#740 LEX) (lb-f/in ²)			1,750
TENSILE STRENGTH, ASTM D1002, TENSILE LAP SHEAR STR. ALUM @ -60 F (lb-f/in ²)			4,780
TENSILE STRENGTH, ASTM D1002, TENSILE LAP SHEAR STR. ALUM @ 180 F (lb-f/in ²)			220
TENSILE STRENGTH, ASTM D1002, TENSILE LAP SHEAR STR. ALUM @ 77 F (lb-f/in ²)			1,400
VISCOSITY, TMTS001, VISCOSITY (cP)	750	900	750 - 1,200
VOLATILE ORGANIC CONTENT (VOC), EPA 450, VOC AS IS - THEORETICAL METHOD (g/L)		0	



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UR-3507
PRODUCT NUMBER

Page 2 of 3

APPLICATION AND EQUIPMENT SUGGESTIONS

Suitable two part metering and mixing equipment is available. Contact your H.B. Fuller representative for suggested application equipment to suit your specific needs.

DIRECTIONS FOR USE

SURFACE PREPARATION: Surfaces must be clean, dry and free from grease, oil, wax, weak oxide films and other surface contaminants.

PROPORTIONING AND MIXING: Hand mixing may be difficult. We suggest using meter-mix equipment equipped with an automatic purge.

***CURE SCHEDULE:** Handling Strength - 2-3 hours @ 77F
70-80% Full Strength - 24 hours @ 77F
100% Strength - 3-5 days @ 77F

* Allow additional time for parts to warm to curing temperature.

STORAGE AND HANDLING

Use good personal hygiene. Avoid eye and skin contact. Wash contaminated clothing before reuse. Store material in closed container in a cool, dry place.

IMPORTANT: We recommend that containers be purged with nitrogen after they are opened to the air and not all the material is used.

CAUTION

Respiratory irritant. Vapors harmful. Sensitizers. Eye and skin irritant. Harmful if swallowed. Consult the container label and Material Safety Data sheets for additional cautionary information before using.

LIMITED WARRANTY AND TERMS

H.B. Fuller Company ("Fuller") warrants that, for a Warranty Period of one year (or the period specified on the applicable Technical Data Sheet, whichever is less) from the date of shipment from Fuller to the Initial Purchaser, that this Fuller product was manufactured in accordance with Fuller's specifications in effect on the date of manufacture. These specifications are available upon request. This Warranty does not cover test data, or any defects, damages or other harms caused to any extent or in any way by failure to follow applicable Fuller instructions, if any, or abuse or misuse of the product.

WARRANTIES DISCLAIMED -- THE WARRANTY STATED IN THE PARAGRAPH ABOVE IS IN PLACE OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. Fuller EXPRESSLY DISCLAIMS ANY OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ALTHOUGH Fuller MAY HAVE SUGGESTED THE PRODUCT OR DEVELOPED THE PRODUCT AT THE PURCHASER'S REQUEST, IT IS THE PURCHASER'S RESPONSIBILITY TO TEST AND DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE PURCHASER'S INTENDED USE AND PURPOSE, AND PURCHASER ASSUMES ALL RISK AND LIABILITY WHATSOEVER REGARDING SUCH SUITABILITY.

LIMITATIONS OF REMEDIES AND DAMAGES -- FOR ANY VALID CLAIM PRESENTED UNDER THE LIMITED WARRANTY, Fuller WILL REPLACE THE PRODUCT, OR AT ITS OPTION, REFUND THE PURCHASE PRICE. THIS REPLACEMENT/REFUND REMEDY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST Fuller. THE PURCHASER AGREES THAT NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO PURCHASER FOR CLAIMS ARISING OUT OF ANY USE OF THE PRODUCT REGARDLESS OF THE LEGAL THEORY (CONTRACT, TORT OR OTHER). IN NO EVENT WILL Fuller BE OBLIGATED TO PAY DAMAGES TO PURCHASER IN ANY AMOUNT EXCEEDING THE PRICE THAT THE PURCHASER PAID FOR THE PRODUCT.

LIMITATION OF ACTIONS AND VENUE -- Any claim made or action commenced by Purchaser under Fuller's limited warranty as set forth herein must be brought within one year from the date of shipment from Fuller to the Purchaser. Purchaser agrees that all disputes arising from Fuller's sale of product to Purchaser shall be brought, if at all, in and before a court located in the State of Minnesota, to the exclusion of the courts of any other state.

CONDITIONAL ACCEPTANCE -- Fuller's acceptance of Purchaser's order for this product is expressly conditional on Purchaser's assent to terms and conditions set forth herein.

ADEQUATE TESTS: The information contained in this bulletin we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all of your requirements.