

PRODUCT INFORMATION

PRODUCT	<i>(TYPICAL PROPERTIES)</i>			
	These should not be considered as specifications.			
KEY PC2023A/B HIGH VISCOSITY TOUGH-SEAL				
DESCRIPTION	<p>KEY PC2023A/B is a tough and durable two component, hybrid epoxy elastomer that features a higher viscosity than KEY Tough-Seal 21 to limit lateral flow in "glob top" encapsulation. KEY PC2023A/B is a superior electrical potting compound with excellent thermal cycling performance. It maintains this exceptional flexibility from -40°C to 150°C (-40°F to 300°F) and it resists contraction during thermal cycles so it protects sensitive electronics. Since KEY PC2023A/B is an epoxy and not a urethane, it does not incorporate Isocyanates and KEY PC2023A/B has a mild health and safety profile.</p>			
ADVANTAGES & APPLICATIONS	<ul style="list-style-type: none"> ✓ Excellent Thermal Cycling Performance & Thermal Shock Resistance ✓ Resilient, Tough, Durable, High Elongation ✓ Low Embedment Stress on Electronics, Low Shrinkage ✓ Adhesion to Thermoplastics and Wire Insulation, Specific Adhesion to Aluminum 			
PHYSICAL PROPERTIES <i>(Typical)</i>		KEY PC2023A	KEY PC2023B	MIX
	Color	Off White	Black	Grey / Black
Viscosity at 25°C	7,000 cP	184,000 cP	80,000 cP	
Brookfield RVT	#5 @ 20 rpm	#5 @ 10 rpm	#7 @ 10 rpm	
Specific Gravity	1.32	1.28	1.29	
Density (lbs/gal)	11.0	10.7	10.8	
CURED PROPERTIES <i>(Typical)</i>	Property	ASTM	Temperature	Value
	Elongation at Break	D638	25°C (77°F)	225%
	Hardness, Shore A	D2240	25°C (77°F)	64A
CURE SCHEDULE <i>(Typical)</i>	Gel Time (100g):	10 minutes at 25°C (77°F)		
	Hard Cure	Overnight at 25°C (77°F)		
INSTRUCTIONS FOR USE	Full Cure	3 to 5 Days, Dependent on part size		
	Accelerated Cure	Yes, Mild Heating 66 to 80°C (150-175°F)		
SAFETY & HANDLING	MIX RATIO By	WEIGHT	VOLUME	
	KEY PC2023 Part A	51 A	1 A	
SHELF LIFE & STORAGE INFO <i>For Unopened, Factory Sealed Containers</i>	KEY PC2023 Part B	100 B	2 B	
	Combine Part A and B and mix thoroughly, being careful to limit entrapped air during mixing. Scrape sides, walls and bottom of container. Pour material into part and cure. Bulk meter-mix dispensing machines and convenient cartridges provide air free mixing.			
	PLEASE READ MATERIAL SAFETY DATA SHEET BEFORE USING.			
	Avoid all contact with skin, eyes, clothing and food. Wash thoroughly after handling.			
	KEY PC2023 Part A	3 Months from Date of Manufacture (15°C to 35°C)		
KEY PC2023 Part A	12 Months from Date of Manufacture (-18°C to 3°C)			
KEY PC2023 Part B	12 Months from Date of Manufacture (-18°C to 35°C)			
KEY PC2023AB Cartridges	3 Months from Date of Shipment (15°C to 35°C)			
KEY PC2023AB Cartridges	12 Months from Date of Shipment (-18°C to 3°C)			

KEY POLYMER

CORPORATION

All sales subject to terms & conditions on reverse side.

SPECIALTY CHEMICAL COMPOUNDS

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CONDITIONS

Seller does not accept any terms or conditions of sale or make any warranties, expressed or implied, other than those contained in this Statement or in any existing written contract between the seller and buyer covering Key Polymer Corporation Products.

ORDER ACCEPTANCE:

Orders are accepted upon the understanding that seller is not obligated to make delivery by any specified date nor liable for damage due to delay or failure in filling order caused by contingencies beyond its control. If delivery dates are specified, they are estimates only and not guaranteed. In the event of unreasonable delay in filling order, buyer may cancel same on written notice to seller, provided said order is not then in process of manufacture.

EXCISE TAXES:

The amount of excise taxes on the production, sale, delivery or transportation of material covered hereby shall be paid by the buyer.

DISCLAIMER OF LIABILITY:

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this material. Information contained herein is believed to be true and accurate, but all statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state and local laws and regulations remains the responsibility of the user.

Buyer shall make an examination both as to quantity and quality of any material delivered hereunder immediately upon receipt and failure of buyer to give notice of any claims within 15 days after receipt of such material shall be an unqualified acceptance of such material and a waiver by buyer of all claims with respect hereto.

USERS RESPONSIBILITY:

Key Polymer product usage suggestions, bulletins and manuals cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined if or where additional precautions or procedures may be necessary. All health and safety information contained in Key Polymer's Material Safety Data Sheets for the products being used should be provided to all employees with exposure to the product. It is the responsibility of the user to provide this information in this manner and to use the information to develop appropriate work practice guidelines and employee instructional programs.

LIABILITY LIMITATION:

Buyer assumes all risk and liability for the results obtained by the use of any material delivered by Key Polymer in the manufacturing processes of buyer or in combination with other substances in manufacturing and repair processes of buyer or in combination with other substances. No claim of any kind, whether as to material delivered or for non-delivery of material, shall be greater in amount than the purchase price of this material in respect of which such claim is made.

**KEY POLYMER CORP.
LAWRENCE, MA 01843**

REV AA DCO # 0588
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