

## K-TOUGH™



### For Mine & Quarry Blasting Applications

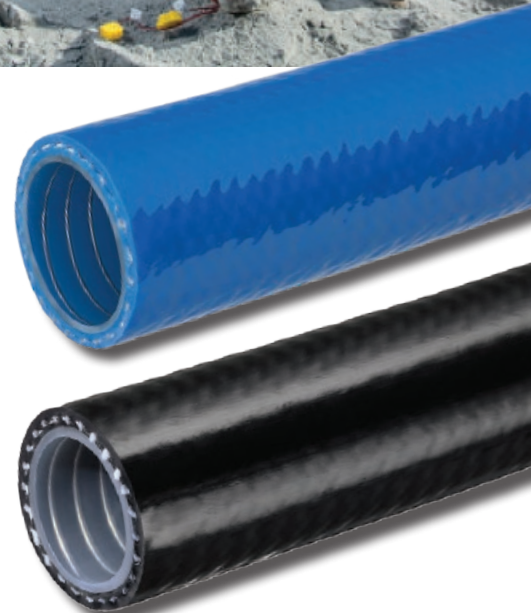
K-Tough™ Series hoses by Kuriyama are ideal for ANFO and Emulsion transfer for blasting applications. Their rugged design allows for superior resistance against crushing and kinking while their MSHA accepted cover material offers unsurpassed jacket abrasion resistance. K-Tough's smooth core reduces friction for improved flow which means less wear and tear on pumps.

#### Features and Advantages:

- **Increased Pressure Rating** – Heavy duty construction up to 300 psi.
- **Crush and Kink Resistant** – Helical wire and high tensile yarn construction allows for enhanced resistance.
- **Abrasion Resistant Cover** – Resists wear from being dragged on rough surfaces.
- **Reduced Friction Loss** – Smooth core allows for increased flow and reduced wear and tear on pumps.
- **Superior Flexibility** – More flexible than other similar hoses.
- **MSHA Accepted** – Cover material accepted by MSHA as having met the requirements for acceptance of flame-resistant solid products taken into mines for hoses transferring air, oil, water or other fluids.

#### Service Temperature Range:

-5°F (-20°C) to +150°F (+65°C)



K-TOUGH™  
K9296



K-TOUGH™ OIL  
K9593

#### Nominal Specifications

Series	Size Code	Nominal ID		Nominal OD		Max. Working Pressure (psi) @ 70°F (20°C)	Vacuum Rating (in. Hg) @ 70°F (20°C)	Standard Length (ft.)	Approx. Weight per Pkg. (lbs.)	Min. Bend Radius (in.) @ 70°F (20°C)
		(in)	(mm)	(in)	(mm)					
K9296/ K9593	24	1.50	38.1	2.03	51.6	300	29.9	50/100/120	45/90/108	5.5
K9296/ K9593	32	2.00	50.8	2.57	65.3	275	29.9	50/100/120	62/124/149	7.0
K9296/ K9593	40	2.50	63.5	3.07	78.0	150	29.9	50/100/120	79/158/190	9.0
K9296/ K9593	48	3.00	76.2	3.57	90.7	150	29.9	50/100/120	90/180/216	11.0

**Note:** Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Use of compression fitting with Kuri Tec® reinforced hose is not recommended. Hose claims involving use of these fittings will be disallowed.

†† **Caution:** This product is designed to help dissipate static electricity when the metal wire is properly connected to ground through the fitting or other means.

† **Caution:** Consult Kuri Tec® PVC chemical resistance guide for suitability.

\* Actual service temperature range is application dependent. Working pressure decreases as temperature increases.

**Note:** For details of the following compliances, refer to page 63 of the Kuri Tec® catalog.

**FDA**(03), **MSHA**(08), **PHthalate Free**(15), **RoHS**(16)

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

# Cautionary Statement

All Products sold and distributed by Kuriyama of America, Inc. are in the nature of commodities and they are sold by published specifications and not for particular purposes, uses or applications. Purchaser shall first determine their suitability for the intended purposes, uses or applications and shall either conduct its own engineering studies or tests, or retain qualified engineers, consultants or testing laboratories and consult with them before determining the proper use, suitability or propriety of the merchandise or Products for the intended purposes, uses or applications.

Kuriyama of America, Inc. ("Seller") does not recommend the Products for any particular purpose, use or application, and the Purchaser or user thereof shall assume full responsibility for the suitability, propriety, use and application of the Products. Purchaser shall follow all instructions contained in Seller's catalogs, brochures, technical bulletins and other documents regarding the Products. The Products, including but not limited to, hose, tubing or couplings, may fail due to the use or conveyance of substances at elevated or lowered temperatures or at excessive pressure, the conveyance of abrasive, injurious, flammable, explosive or damaging substances.

Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation and all sections of hose and tubing including connections, couplings, clamps, conductivity and bonding should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened for the avoidance of leakage, for the prevention of injuries or damages, and for general safety purposes. Except as indicated in its Limited Warranty, Seller shall not be liable or responsible for direct or indirect injuries or damages caused by or attributed to the failure or malfunction of any Products sold or distributed by it.

Purchasers or users of the Products should frequently and consistently undertake inspections and protective measures with respect to the use and application of Products, which should include the examination of tube and cover, conditions of the hose or tubing, and the identification, repair or replacement of sections showing cracking, blistering, separations, internal and external abrasions, leaking or slipped couplings or connections and make proper proof tests.

## Limited Warranty

The Products sold or distributed by Seller are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions. ALL WARRANTY CLAIMS SHALL BE MADE WITHIN SIX (6) MONTHS AFTER SELLER SHIPPED THE PRODUCTS. SELLER'S LIABILITY HEREUNDER IS LIMITED AT SELLER'S EXCLUSIVE DISCRETION, TO 1) THE PURCHASE PRICE OF ANY PRODUCTS PROVING DEFECTIVE; 2) REPAIR OF ANY DEFECTIVE PRODUCT OR PART THEREOF; OR 3) REPLACEMENT OF ANY DEFECTIVE PRODUCT OR PART UPON ITS AUTHORIZED RETURN TO SELLER.

THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE CREATED UNDER APPLICABLE LAW INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SELLER OR THE MANUFACTURER OF THE PRODUCT BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS, WHETHER OR NOT CAUSED BY OR RESULTING FROM THE NEGLIGENCE OF SELLER AND/OR THE MANUFACTURER OF THE PRODUCT, UNLESS SPECIFICALLY PROVIDED HEREIN. IN ADDITION, THIS WARRANTY SHALL NOT APPLY TO ANY PRODUCTS OR PORTIONS THEREOF WHICH HAVE BEEN SUBJECTED TO ABUSE, MISUSE, IMPROPER INSTALLATION, MAINTENANCE, OR OPERATION, ELECTRICAL FAILURE OR ABNORMAL CONDITIONS, AND TO PRODUCTS WHICH HAVE BEEN TAMPERED WITH, ALTERED, MODIFIED, REPAIRED, REWORKED BY ANYONE NOT APPROVED BY SELLER, OR USED IN ANY MANNER INCONSISTENT WITH THE PROVISIONS OF THE "CAUTIONARY STATEMENT" ABOVE OR ANY INSTRUCTIONS OR SPECIFICATIONS PROVIDED WITH OR FOR THE PRODUCT. 09/17/18 REV

Distributed by:



## Kuriyama of America, Inc.

Headquarters, Sales Office and Warehouse Location

360 E. State Parkway, Schaumburg, IL 60173-5335

Phone: (847) 755-0360 • Toll-free FAX: (800) 800-0320

International FAX: (847) 885-0996

Web Site: [www.kuriyama.com](http://www.kuriyama.com)

E-Mail: [sales@kuriyama.com](mailto:sales@kuriyama.com)



[kuriyama.com/50years](http://kuriyama.com/50years)



## CONTACT OUR SALES/WAREHOUSE LOCATIONS BELOW WHICH SERVE YOUR AREA

### SOUTHWEST WAREHOUSE KURIYAMA OF AMERICA, INC. HOUSTON

200 PORTWALL STREET, SUITE 100  
HOUSTON, TX 77029  
Phone: (713) 674-8212  
Toll Free Phone: (800) 501-6808  
FAX: (713) 674-5214  
Toll Free FAX: (800) 800-5214  
E-Mail: [sales@kuriyama.com](mailto:sales@kuriyama.com)

### WESTERN WAREHOUSE KURIYAMA OF AMERICA, INC. SANTA FE SPRINGS

10749 SHOEMAKER AVENUE  
SANTA FE SPRINGS, CA 90670-4039  
Phone: (562) 941-4507  
FAX: (562) 941-8940  
Toll-Free FAX: (800) 326-8940  
E-Mail: [sales@kuriyama.com](mailto:sales@kuriyama.com)

### SOUTHEAST WAREHOUSE FORTNEY SALES CO., INC. 4221 CANTRELL ROAD NW

ACWORTH, GA 30101  
PHONE: (770) 427-6528  
FAX: (770) 423-9249  
Toll Free FAX: (800) 423-9249  
Web Site: [www.fortneysales.com](http://www.fortneysales.com)  
E-Mail: [sales@fortneysales.com](mailto:sales@fortneysales.com)

### EASTERN WAREHOUSE EASTERN RUBBER & PLASTICS CO., INC. 100 GOLDMAN DR.

PLUMSTED INDUSTRIAL PARK  
CREAM RIDGE, NJ 08514  
Phone: (609) 758-0100  
FAX: (609) 758-0102  
Toll Free FAX: (800) 445-7138  
Web Site: [www.easternrubber.com](http://www.easternrubber.com)  
E-Mail: [sales@easternrubber.com](mailto:sales@easternrubber.com)

### IN CANADA:

#### KURI TEC CORPORATION

140 ROY BOULEVARD  
BRANTFORD, ON, CANADA N3R 7K2  
Phone: (519) 753-6717  
FAX: (519) 753-7737  
Web Site: <http://www.kuritec.com>  
E-Mail: [sales@kuritec.com](mailto:sales@kuritec.com)

### IN MEXICO:

#### KURIYAMA DE MÉXICO S DE RL DE CV AV JOSE PALOMO MARTINEZ NO 520-20 BODEGA 5

PARQUE INDUSTRIAL OMOLAP  
APODACA, N.L. CP:66633, MÉXICO  
Telefonos: (81) 1086-1870 O 71  
Lada sin Costo 01 800 822 52 00  
FAX: (81) 1086-1869  
Internet: [www.kuriyama.com](http://www.kuriyama.com)  
Correo Electronico: [ventas@kuriyama.com](mailto:ventas@kuriyama.com)