



# Tiger™ Green, Tiger™ Yellow & Tiger™-SD EPDM Suction & Discharge Hoses



**Kuriyama of America, Inc.**

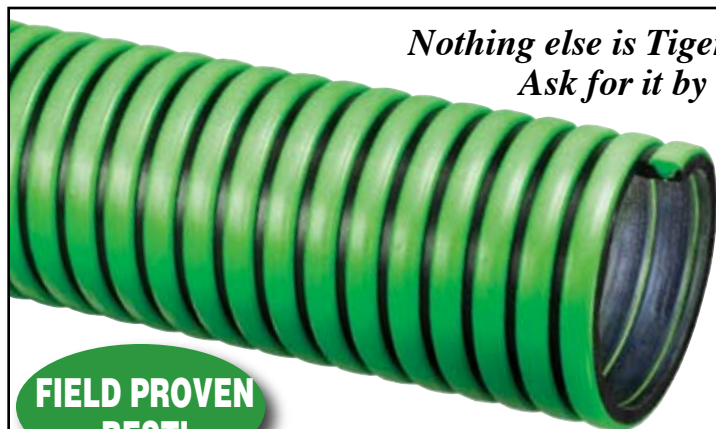


**Edition 0109**



# Series TG Tiger™ Green

EPDM suction hose for outdoor wet or dry applications



*Nothing else is Tiger Green.  
Ask for it by name!*

**FIELD PROVEN  
BEST!**

**STOCK  
ITEM!**

## General Applications

- Septic handling
- Liquid waste, slurries
- Liquid and dry chemical
- Agriculture liquid and dry fertilizers
- Grains, seeds
- Water transfer
- Mining
- Construction, rental equipment, sewer cleaning, plant maintenance

## Features and Benefits

- **Black flexible EPDM rubber with bright GREEN polyethylene helix construction.**
- **Superior EPDM compounds** – Tigerflex™ uses only the best available materials for superior hose chemical resistance, flexibility, and durability.
- **Superior flexibility** – Our tests show up to 22% more flexible than competition – especially in sub-zero weather! Tiger™ Green comes off the trucks more flexible and easier to handle than other similar hoses.
- **Weather resistant exterior** – highly resistant to UV and weather extremes.
- **Lightweight** – easy to handle and transport.
- **Specially designed abrasion-resistant helix** – designed to slide easily over rough surfaces and around objects... makes hose easier to handle and work with.
- **Smooth bore construction** – eliminates material build-up inside.
- **Convuluted cover design** – keeps hose flexible for easier handling and durability.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

## Service Temperature Range

-40° F (-40° C) to 160° F (71° C)  
Actual service temperature range is application-dependent.

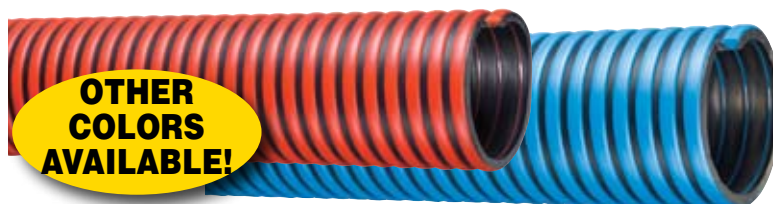
## Nominal Specifications

Series	ID (in.)	ID (mm)	OD <sup>^</sup> (in.)	OD <sup>^</sup> (mm)	Working Pressure (PSI)		Vacuum Rating (in Hg)		Min. Bending Radius (in. @ 68°F)	Standard Lengths (ft.)	Weight (lbs/ft.)
					68°F	104°F	68°F	104°F			
TG100X100	1"	25.4	1.40"	35.5	65	45	FULL	28	2"	100 ft.	0.28
TG125X100	1 1/4"	31.8	1.63"	41.4	60	40	FULL	28	3"	100 ft.	0.33
TG150X100	1 1/2"	38.1	1.93"	49.0	50	35	FULL	28	3"	100 ft.	0.44
TG200X100	2"	50.8	2.51"	63.8	50	35	FULL	28	5"	100 ft.	0.67
TG250X100	2 1/2"	63.5	3.07"	78.0	45	30	FULL	28	5.5"	100 ft.	0.95
TG300X100	3"	76.2	3.60"	91.5	45	30	FULL	26	7"	100 ft.	1.14
TG400X100	4"	101.6	4.70"	119.5	40	25	FULL	26	11.5"	100 ft.	1.84
TG600X100	6"	152.4	6.85"	174.0	30	20	28	24	20"	100/20 ft.	3.07

<sup>^</sup> OD measured over helix.

## New Tiger™ Red Series-TRED and Tiger™ Blue Series-TBLU

colors are available in 2", 3" and 4" ID sizes. The minimum order quantity is 3,000' per size. For more information contact your nearest Kuriyama warehouse location.



**OTHER  
COLORS  
AVAILABLE!**

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

# Series TY Tiger™ Yellow

EPDM suction hose for outdoor wet or dry applications



## General Applications

- Agriculture liquid and dry fertilizers
- Grains, seeds
- Septic handling
- Liquid waste, slurries
- Liquid and dry chemical
- Water transfer
- Mining
- Construction, rental equipment, sewer cleaning, plant maintenance

## Features and Benefits

Same Great Features and Benefits as Tiger™ Green but with YELLOW colored helix.

- **Black flexible EPDM rubber with bright YELLOW polyethylene helix construction.**
- **Superior EPDM compounds - Excellent for Agricultural uses!**  
Tigerflex™ uses only the best available materials for superior hose chemical resistance, flexibility, and durability.
- **Superior flexibility** – Our tests show up to 22% more flexible than competition – especially in sub-zero weather! Tiger™ Yellow comes off the trucks more flexible and

- easier to handle than other similar hoses.
- **Weather resistant exterior** – highly resistant to UV and weather extremes.
- **Lightweight** – easy to handle and transport.
- **Specially designed abrasion-resistant helix** – designed to slide easily over rough surfaces and around objects... makes hose easier to handle and work with.
- **Smooth bore construction** – eliminates material build-up inside.

- **Convuluted cover design** – keeps hose flexible for easier handling and durability.

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

### Service Temperature Range

-40° F (-40° C) to 160° F (71° C)  
Actual service temperature range is application-dependent.

## Nominal Specifications

Series	ID (in.)	ID (mm)	OD <sup>^</sup> (in.)	OD <sup>^</sup> (mm)	Working Pressure (PSI)		Vacuum Rating (in Hg)		Min. Bending Radius (in. @ 68°F)	Standard Lengths (ft.)	Weight (lbs/ft.)
					68°F	104°F	68°F	104°F			
TY100X100	1"	25.4	1.40"	35.5	65	45	FULL	28	2"	100 ft.	0.28
TY125X100	1¼"	31.8	1.63"	41.4	60	40	FULL	28	3"	100 ft.	0.33
TY150X100	1½"	38.1	1.93"	49.0	50	35	FULL	28	3"	100 ft.	0.44
TY200X100	2"	50.8	2.51"	63.8	50	35	FULL	28	5"	100 ft.	0.67
TY300X100	3"	76.2	3.60"	91.5	45	30	FULL	26	7"	100 ft.	1.14
TY400X100	4"	101.6	4.70"	119.5	40	25	FULL	26	11.5"	100 ft.	1.84

<sup>^</sup> OD measured over helix.

## Couplings & Accessories

Kuriyama of America offers couplings and accessories, including specially designed Quick-Acting couplers and adapters, dust caps and plugs. For more information, refer to the separate Kuriyama-Couplings™ and Accessories catalog. For your convenience, you can also view this catalog online at [www.kuriyama.com](http://www.kuriyama.com).

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

# Series TSD Tiger™ – SD

## EPDM suction & discharge hose for outdoor wet or dry applications

### General Applications

- Wet or dry suction and discharge applications
- Dry and liquid fertilizers
- Agricultural chemicals
- Light abrasives
- Grains, seeds
- Water transfer and discharge
- Marine liquid waste
- Slurries
- Construction, industrial, mining applications
- Water jetting leader hose



*Nothing else is Tiger SD.  
Ask for it by name!*

**MOST FLEXIBLE!  
MOST DURABLE!**

**STOCK  
ITEM!**

### Features and Benefits

- **Extremely flexible and durable!**
  - Special yarn-reinforced proprietary design results in the most superior combination of flexibility and durability!
  - Tiger™-SD is 23% more flexible than even Tiger™ Green and Tiger™ Yellow!
- **Use for both Suction & Discharge (SD) applications**
  - Specially designed with yarn reinforcement to handle both suction, and higher pressure discharge applications.
- **Black flexible EPDM rubber with black polyethylene helix construction.**
- **Superior EPDM compounds** – Tigerflex™ uses only the best available

materials for superior hose chemical resistance, flexibility, and durability.

- **Weather resistant exterior** – highly resistant to UV and weather extremes.
- **Lightweight** – easy to handle and transport.
- **Specially designed abrasion-resistant helix** – designed to slide easily over rough surfaces and around objects... makes hose easier to handle and work with.
- **Smooth bore construction** – eliminates material build-up inside.
- **Convuluted cover design** – keeps hose flexible for easier handling and durability.

### Tips

Use Tiger™-SD as the hook-up hose to the septic truck. The yarn reinforcement adds longer hose life and durability. Reduce your stocking requirements and inventory costs... carry a single product - Tiger™-SD for all your suction and discharge applications!

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

### Service Temperature Range

-40° F (-40° C) to 160° F (71° C)  
Actual service temperature range is application-dependent.

### Nominal Specifications

Series	ID (in.)	ID (mm)	OD <sup>^</sup> (in.)	OD <sup>^</sup> (mm)	Working Pressure (PSI)		Vacuum Rating (in Hg)		Min. Bending Radius (in. @ 68°F)	Standard Lengths (ft.)	Weight (lbs/ft.)
					68°F	104°F	68°F	104°F			
TSD125X100	1 1/4"	31.8	1.70"	43.2	100	75	FULL	28	3"	100 ft.	0.41
TSD150X100	1 1/2"	38.1	2.00"	50.7	100	75	FULL	28	3"	100 ft.	0.51
TSD200X100	2"	50.8	2.54"	64.5	100	75	FULL	28	5"	100 ft.	0.73
TSD300X100	3"	76.2	3.62"	92.0	90	65	FULL	26	8"	100 ft.	1.18

<sup>^</sup> OD measured over helix.



Aluminum



Polypropylene



Pin Lugs



Glass Reinforced Nylon



Hose Nipples



Strainers

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# Tigerflex™ EPDM Suction and Discharge Hoses Chemical Resistance Guide Series: TG, TY, TRED, TBLU & TSD

## Warning:

The Chemical Resistance Guide shown below is intended for general guidance only. The information contained therein is based upon information we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. No warranty is expressed or implied, as specific application parameters, such as temperature, pressure and chemical concentrations vary widely.

Furthermore, use of these hoses for handling multiple chemical products, either singly or as a mixture, may introduce uncontrollable factors relating to chemical resistance.

Before using any hose, the user is responsible for determining the suitability of the hose for the intended application. Therefore, the user assumes all risk and responsibility for determining the suitability of any hose for handling any chemical or chemicals.

**Key:** **G — Good** **L — Limited** **U — Unsatisfactory**

Material Handled	68°F	140°F	Material Handled	68°F	140°F	Material Handled	68°F	140°F
Acetic Acid	G	G	Development Sol.	L	L	Monochloro Benzene	U	U
Acetone	G	G	Dextrin	G	G	Nitric Acid - 5%	L	L
Aluminum Acetate	G	G	Dichlorethylene	U	U	- 50%	L	L
Aluminum Chloride	G	G	Dichloro Benzene	U	U	- 70%	U	U
Aluminum Hydroxide	G	G	Diethyl Ether	G	G	- 95%	U	U
Aluminum Sulfate	G	G	Emulsifier	G	G	Oleic Acid	L	L
Ammonia (Gas)	G	G	Ether	G	G	Ozone	G	G
Ammonia (Liquid)	G	G	Ethyl Acetate	L	L	Paraffin	U	U
Ammonium Acetate (Conc.)	G	G	Ethyl Alcohol - 6%	G	G	Perchloroethylene	U	U
Ammonium Chloride	G	G	- 100%	G	G	Phenol	L	L
Ammonium Hydroxide	G	G	Ethylene Chloride	L	L	Phosphoric Acid - 30%	G	G
Ammonium Nitrate	G	G	Ethylene Glycol	G	G	Photosensitive Emulsion	G	G
Aniline	L	L	Fluorine	U	U	Potassium Bichromate	U	U
Aniline Sulfate	U	U	Glycerol	G	G	Potassium Bromide	G	G
Barium Chloride	G	G	Grape Sugar	G	G	Potassium Chloride	G	G
Barium Hydroxide	G	G	Hormamide- 40%	G	G	Potassium Cyanide	G	G
Beer	G	G	Hydrochloric Acid - 10%	G	L	Potassium Fluoride	G	G
Benzen Alcohol	L	L	- 20%	G	L	Potassium Hydroxide - 10%	G	G
Benzene	U	U	Concentrate	G	L	(Conc.)	G	G
Bromine	U	U	Hydrogen	G	G	Potassium Permanganate	U	U
Butyl Alcohol	L	L	Hydrogen Chloride (Anhydrous)	G	L	Potassium Phosphate	G	G
Calcium Carbonate	G	G	Hydrogen Peroxide - 3%	U	U	Propylene Glycol	G	G
Calcium Chloride (Conc.)	G	G	- 30%	U	U	Sake (Alcohol)	G	G
Calcium Hydroxide (Conc.)	L		(Above 80%)	U	U	Salt Water	G	G
Carbon Monoxide	G	G	Hydrogen Sulfide	G	G	Sauce	G	G
Carbon Tetrachloride	L	L	Iodine	U	U	Sodium Bicarbonate	G	G
Carbonic Acid	G	G	Iron Chloride	G	G	Sodium Chloride	G	G
Carbonic Acid Gas	G	G	Iron Sulfate	G	G	Sodium Hydroxide - 10%	G	G
Cetyl Alcohol	L	L	Isopropyl Alcohol	G	G	(Conc.)	G	G
			Magnesium Carbonate	G	G	Sodium Hypochlorite - 15%	G	G
Chlorine - 10% Gas	L	L	Magnesium Chloride	G	G	Soy Sauce	G	G
- 100% Gas	L	L	Magnesium Hydroxide	G	G	Stearic acid	L	L
(Solution)	L	L	Magnesium Sulfate	G	G	Sulfur Dioxide	U	U
Chloroform	U	U	Methanol - 20%	G	G	Sulfuric Acid	L	L
Chromate (Plating Solution)	L	L				Sulfurous Acid - 30%	L	L
Citric Acid	G	G	Methyl Alcohol- 6%	G	G	Tetrahydrofuran	L	L
Copper Chloride	G	G	- 100%	G	G	Toluene	U	U
Copper Nitrate	G	G	Methyl Ethel Ketone	G	G	Transformer Oil	U	U
Copper Sulfate	G	G	Methylene Chloride	L	L	Water	G	G
Creosote Oil	U	U	Mineral Oil	U	U	Zinc Chloride	G	G



# Cautionary Statement

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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.

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