



**plastiXs®**  
manufacturing solutions

**T5090E**  
**Acid – Chemical S & D**  
**240 PSI – UHMWPE**  
**Meets FDA Requirements**  
**Suitable for use with DEF**

**Warning**  
Before using chemical hoses consult  
chemical resistance chart or consult factory.

**Applications:**

Suction and transfer service for a variety of chemicals and acids. Will handle 98% of EXISTING CHEMICALS. See Chemical Resistance Chart on pages 66 – 75.

**Cover:**

Blue EPDM – abrasion and ozone resistant.

**Reinforcement:**

Synthetic textile cords with flexible steel helix wire.

**Tube:**

Transparent UHMWPE (Ultra High Molecular Weight Polyethylene).

**Working Pressure:**

Constant Pressure – 16 Bar (240 PSI)

**Temperature Range:**

Normal recommended operating temperature is -22°F (-30°C) to 200°F (+93°C)

**Branding:**

ALFAGOMMA – ITALY T509 16 BAR (240 PSI) – UHMWPE CHEMICAL – S & D (in orange letters)

**Standard Length:**

100 feet

IT IS ADVISABLE TO TEST THE TUBE MATERIAL UNDER ACTUAL SERVICE CONDITIONS PRIOR TO USE.  
NOTE: FOR MAXIMUM SERVICE LIFE, WE RECOMMEND THAT T509 HOSE BE FLUSHED OUT AFTER EVERY USE.

**Nominal Specifications**

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Max Rec. WP (PSI)	Vacuum HG (in.)	Min. Bending Radius (in. @ 68°F)	Weight (lbs./ft.)
T5090E075	3/4	19	1.22	31	240	27	7 1/2	0.41
T5090E100	1	25	1.46	37	240	27	9	0.50
T5090E125	1 1/4	32	1.73	44	240	27	10 1/4	0.60
T5090E150	1 1/2	38	1.97	50	240	27	13 1/4	0.68
T5090E200	2	51	2.48	63	240	27	16 1/4	0.91
T5090E250	2 1/2	63	3.03	77	240	27	17 1/2	1.40
T5090E300	3	76	3.62	92	240	24	20 3/4	1.91
T5090E400	4	102	4.65	118	240	24	26 1/2	2.61
T5090E600	6	152	6.77	172	240	24	40	5.28

**COUPLING SUGGESTIONS**

Quick-Acting and combination nipples, preferably stainless steel, attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

BECAUSE WE CONTINUALLY EXAMINE WAYS TO IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO ALTER SPECIFICATIONS OR DISCONTINUE PRODUCTS WITHOUT PRIOR NOTICE.