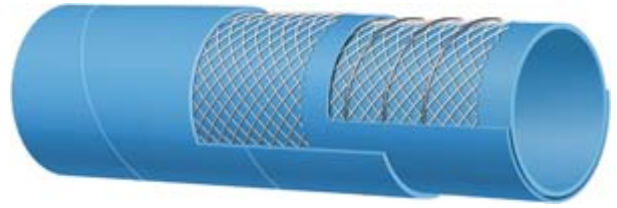


**Acid, Chemical & Multipurpose****T-509 OE****ACID-CHEMICAL S&D 16 BAR (240 PSI) -****UHMWPE****FDA**

<b>TUBE</b>	TRANSPARENT UHMWPE (ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE)
<b>REINFORCEMENT</b>	HIGH TENSILE TEXTILE CORDS WITH EMBEDDED STEEL HELIX WIRE
<b>COVER</b>	BLUE EPDM - ABRASION AND OZONE RESISTANT
<b>APPLICATION</b>	ACID AND CHEMICAL SUCTION AND DELIVERY. SUITABLE FOR 98% OF EXISTING CHEMICALS. REFER TO CHEMICAL RESISTANCE CHART.
<b>SAFETY FACTOR</b>	3:1
<b>TEMPERATURE</b>	-20°C +65°C (-4°F +150°F)
<b>BRAND TEXT</b>	ALFAGOMMA -ITALY- T-509 16 BAR (240 PSI) UHMWPE CHEMICAL - S&D -(logo)
<b>BRAND TYPE</b>	ORANGE LETTERS
<b>APPROVALS</b>	
<b>NOTE</b>	

Code	ID mm	ID inch	OD mm	Wall mm	Weight g/m	WP bar	WP psi	Vac. %	BR mm	Available Length m	Stock Length m
509OE0193155R0	19	3/4	31	6	590	16	240	90	188	30,5	30,5
509OE0253755R0	25	1"	37	6	730	16	240	90	225	30,5	30,5
509OE0324455R0	32	1" 1/4	44	6	870	16	240	90	263	30,5	30,5
509OE0385055R0	38	1" 1/2	50	6	1010	16	240	90	338	30,5	30,5
509OE0405255R0	40	1" 9/16	52	6	1050	16	240	90	338	30,5	30,5
509OE0516355R0	51	2"	63	6	1330	16	240	90	413	30,5	30,5
509OE0607455R0	60	2" 3/8	74	7	1990	16	240	90	450	30,5	30,5
509OE0637755R0	63	2" 1/2	77	7	2080	16	240	90	450	30,5	30,5
509OE0769255R0	76	3"	92	8	2820	16	240	80	525	30,5	30,5
509OE1021855R0	102	4"	118	8	3850	16	240	80	675	30,5	30,5



## FOOD HOSE



# // HOSE IDENTIFICATION TABLE

HOSE	TUBE	MAX TEMP. (°C)	WP (bar)	TECHNICAL FEATURES AND NORMS									ALCOHOLIC BEVERAGES				DAIRY INDUSTRY		FOOD INDUSTRY			CLEANING
				STERILIZATION	PHTHALATE FREE	FDA TITLE 21	2004/1935 EC	10/2011 EC	2006/2023 EC	FRANCE 1994/11/09 CAT. D	ITALY D.M. 21/03/73	≤20%	≤50%	≤75%	≤95%	MILK COLLECTING	MILK TRANSPORT	JUICES, SODAS, SAUCES, SOUPS WITH ACIDITY CONTENT	LIQUID FOOD	FAT FOOD	BULK FOOD	FOOD ENVIRONMENT

## PVC HOSE

	<b>49000</b>	PVC	+60		5% Soda	●	●																
	<b>49200</b>	PVC	+60	Max 20	5% Soda	●	●	●	A+B+C	●													
	<b>4660L</b>	PVC	+60	Max 8	5% Soda	●	●	●	A+B+C	●													
	<b>4680H</b>	PVC	+60	Max 7	5% Soda	●	●	●	A+B+C	●													
	<b>47200</b>	PVC	+60	Max 15	5% Soda	●	●	●	A+B+C	●													
	<b>395BT</b>	PVC	+70	50		●		●	A+B+C	●													●

## RUBBER HOSE

	<b>350LE</b>	EPDM	+165	15 Water 6 Steam		●	●																●
	<b>452LH</b>	NR	+80	10	Steam 110°C / 10' 5% Soda	●	●	●		●	IANESCO												●
	<b>402LH</b>	NR	+80	10	Steam 110°C / 10' 5% Soda	●	●	●		●	IANESCO												●
	<b>410LL</b>	CIIR	+108	16	Steam 130°C / 30' 5% Soda	●	●	●		●	IANESCO												●
	<b>412LE</b>	NR	+80	10	Steam 110°C / 10' 5% Soda	●	●	●		●	IANESCO												●
	<b>418LE</b>	NR	+80	10	Steam 110°C / 10' 5% Soda	●	●	●		●	IANESCO												●
	<b>455LE</b>	NBR	+100	10	Steam 130°C / 30' 5% Soda	●	●	●		●		CERISIE											●
	<b>405LE</b>	NBR	+100	10	Steam 130°C / 30' 5% Soda	●	●	●		●		CERISIE											●
	<b>417LE</b>	NBR	+100	16	Steam 130°C / 30' 5% Soda	●	●	●		●		CERISIE											●
	<b>5090E</b>	UPE	+100	16	Steam 110°C / 10' 5% Soda	●	●	●	A+B+C+D2	●													●
	<b>903LE</b>	EPDM	+180	10	Steam 130°C / 30' 5% Soda	●	●																●
	<b>720LA</b>	NR	+80	10	5% Soda	●	●																●
	<b>760LA</b>	NR	+80	5	5% Soda	●	●																●

↔		↔		⊙		⌒		⌒		⌒	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
19	3/4	31	1,22	16	240	188	7,50	90	0,600	0,405	
25	1	37	1,46	16	240	225	9,00	90	0,730	0,495	
32	1 1/4	44	1,73	16	240	263	10,25	90	0,880	0,595	
38	1 1/2	50	1,97	16	240	338	13,25	90	1,010	0,680	
40	1 9/16	52	2,05	16	240	338	13,25	90	1,060	0,715	
51	2	63	2,48	16	240	413	16,25	90	1,340	0,905	
63	2 1/2	77	3,03	16	240	450	17,50	90	2,090	1,405	
76	3	92	3,62	16	240	525	20,75	80	2,840	1,910	
102	4	118	4,65	16	240	675	26,50	80	3,870	2,605	

NA	LA	NEU	EMEA	SA	AP	AU
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## 5090E

**Acid-chemical S&D 16 bar (240 psi) - UHMWPE  
FDA EU 10/2011 A+B+C+D2**

**Tube:** Transparent UHMWPE (Ultra High Molecular Weight Polyethylene)

**Reinforcement:** High tensile textile cords with embedded steel helix wire

**Cover:** Blue EPDM - abrasion and ozone resistant

**Use:** Acid and chemical suction and delivery.

Suitable for 98% of existing chemicals.

**Safety factor:** 3:1

**Temperature:** -30 °C +100 °C (-22 °F +212 °F)  
depending on conveyed chemical

**We hereby declare that The Alfagomma hose 5090E Acid Chemical Suction and Delivery 16 bar (240 psi):**  
-Complies with the requirements of regulation (EU) No. 10/2011; 1282/2011,1183/2012 and 202/2014 and the German Commodities Regulation (BedarfsgegenständeVO) as of 24/06/2013.

The hose also meets the requirements of Regulation (EU) 1935/2004 and the German Food and Feed Code (Lebensmittel-und Futtermittelgesetzbuch).

-Complies with the requirements of FDA regulation 21 CFR § 177.1520, Olefin Polymers.

INDUSTRIAL HOSE DIVISION  
FACTORY QUALITY MANAGER

**ALFA GOMMA INDUSTRIAL S.p.A.**

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Capitale Sociale € 4.672.000,32 i.v. - REA Teramo N° 92225 - C.F. e P.IVA N° IT 00730430675

## // FULL COMPLIANCE WITH EUROPEAN REGULATIONS

ALFAGOMMA offers a wide range of rubber and PVC hoses for food transfer fully complying with the existing regulations for materials in contact with food:

### EC 1935/2004

General requirements for materials that come into contact with food.

ALFAGOMMA food hoses are specifically developed to meet the migration limits so as not to endanger human health, change the food composition or deteriorate the taste and odour of food.

### EC 2023/2006

Good manufacturing practice for materials and articles intended to come into contact with food

ALFAGOMMA has thorough quality assurance and control systems

### EU 10/2011

Requirements for plastic materials, restrictions on the use of phthalates, use of specific simulants depending on food types:

	SIMULANT	FOOD
A	ethanol 10%	aqueous foods
B	acetic acid 3%	acidic foods
C	ethanol 20%	alcoholic foods up to an alcoholic content of 20%
D1	ethanol 50%	alcoholic foods with an alcoholic content of above 20% and milk products
D2	vegetable oil	fat foods
E	MPPO (Tenax)	dry foods

ALFAGOMMA PVC food hoses are totally phthalate free.

### NATIONAL LEGISLATIONS OF EU MEMBER STATES

ALFAGOMMA rubber food hoses are tested by approved external laboratory according to the most important european national provisions.

**ACCORDING TO EC 1935/2004, THE FULL RANGE OF AG FOOD HOSES BEAR THE “GLASS AND FORK”  SYMBOL ON THE BRAND.**



#### HEADQUARTER

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