



# CHEMICAL HOSE

## UHMWPE CHEMICAL S&D HOSE

### Application:

Chemical suction and delivery hose designed for acids based liquid, ketones, aldehydes, esters, aromatic and aliphatic hydrocarbons (limited resistance to chlorinated hydrocarbons). Suitable for animal or vegetable foodstuffs and alcoholic drinks. For a correct use of the hose please consult our Chemical resistance chart.

### Tube:

UHMWPE, white, smooth, food quality and abrasion resistant. Complies with F.D.A standards.

### Reinforcement:

Synthetic plies, helix wire embedded and antistatic wire.

### Cover:

Special blue or green rubber, abrasion, ozone and weather resistant. Corrugated with fabric finish surface.

### Working pressure:

250 PSI, 17 bar

### Nominal burst pressure:

1000 PSI, 69 bar

### Temperature:

-31°F/+194°F (-35°C /+90°C).

Cleaning at +266°F (130°C) for max. 30 minutes.

Hose is resistance to a tensile stress of 880 lb. with a diameter shrink of 3.5%.



PART NO.	ID		Vacc.	Min. B. R.	Weight		Max. L
	Inch	mm	In.Hg	Inch	Lb/ft	Kg/m	ft /m
CUCS-050-B/G	½	13	27	1.58	0.27	0.40	200/61
CUCS-075-B/G	¾	19	27	2.36	0.37	0.55	200/61
CUCS-100-B/G	1	25	27	2.95	0.46	0.68	200/61
CUCS-125-B/G	1¼	32	27	3.78	0.63	0.94	200/61
CUCS-150-B/G	1½	38	27	4.53	0.72	1.07	200/61
CUCS-200-B/G	2	51	27	6.02	0.93	1.39	200/61
CUCS-250-B/G	2½	63	27	7.08	1.39	2.07	200/61
CUCS-300-B/G	3	76	24	8.98	1.85	2.75	200/61
CUCS-400-B/G	4	102	24	16.14	2.93	4.36	200/61
CUCS-600-B/G	6	152	24	29.95	4.43	6.6	100/30.5
CUCS-800-B/G	8	203	24	41.50	6.20	9.2	100/30.5

Mandrel built

# Chemical hose

## EPDM CHEMICAL DELIVERY HOSE

- TUBE** : Chemical resistant smooth EPDM
- REINFORCEMENT** : High tensile synthetic cord with antistatic copper wire
- COVER** : Weather, ozone & abrasion resistant, smooth, black EPDM
- APPLICATION** : Used for discharge of chemical & acids
- TEMPERATURE** : -30° C ~ +100° C ( -22° F ~ +212° F )



ID		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
3/4	19.0	31	10	150	30	450	60
1	25.4	37	10	150	30	450	60
1 1/4	31.8	44	10	150	30	450	60
1 1/2	38.1	51	10	150	30	450	60
2	51	65	10	150	30	450	60
2 1/2	63	79	10	150	30	450	60
3	76	92	10	150	30	450	60
4	102	118	10	150	30	450	60

## EPDM CHEMICAL SUCTION & DELIVERY HOSE

- TUBE** : Chemical resistant smooth EPDM
- REINFORCEMENT** : High tensile synthetic cord with wire helix & antistatic copper wire
- COVER** : Weather, ozone & abrasion resistant, smooth, black EPDM
- APPLICATION** : Used for suction & discharge of chemical & acids
- TEMPERATURE** : -30° C ~ +100° C ( -22° F ~ +212° F )



ID		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
3/4	19.0	31	10	150	30	450	60
1	25.4	37	10	150	30	450	60
1 1/4	31.8	44	10	150	30	450	60
1 1/2	38.1	51	10	150	30	450	60
2	51	65	10	150	30	450	60
2 1/2	63	79	10	150	30	450	60
3	76	92	10	150	30	450	60
4	102	118	10	150	30	450	60

Mandrel built

# Chemical hose

## XLPE CHEMICAL DELIVERY HOSE

- TUBE** : Chemical & solvent resistant translucent XLPE.
- REINFORCEMENT** : High tensile synthetic cord with antistatic copper wire
- COVER** : Weather, ozone & abrasion resistant, smooth, green EPDM
- APPLICATION** : Used for discharge of chemical & acids
- TEMPERATURE** : -30° C ~ +80° C ( -22° F ~ +176° F )



ID		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
3/4	19	31	12	180	36	540	60
1	25.4	37	12	180	36	540	60
1 1/4	31.8	44	12	180	36	540	60
1 1/2	38.1	51	12	180	36	540	60
2	51	65	12	180	36	540	60
2 1/2	63	79	12	180	36	540	60
3	76	92	12	180	36	540	40
4	102	118	12	180	36	540	40

## XLPE CHEMICAL SUCTION & DELIVERY HOSE

- TUBE** : Chemical & solvent resistant translucent XLPE.
- REINFORCEMENT** : High tensile synthetic cord with helix & antistatic copper wire
- COVER** : Weather, ozone & abrasion resistant, smooth, green EPDM
- APPLICATION** : Used for discharge of chemical & acids
- TEMPERATURE** : -30° C ~ +80° C ( -22° F ~ +176° F )



ID		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
3/4	19	31	12	180	36	540	60
1	25.4	37	12	180	36	540	60
1 1/4	31.8	44	12	180	36	540	60
1 1/2	38.1	51	12	180	36	540	60
2	51	65	12	180	36	540	60
2 1/2	63	79	12	180	36	540	60
3	76	92	12	180	36	540	40
4	102	118	12	180	36	540	40