

X70-SERIES

CHEMICAL RESISTANT HOSE

ABRASOR®

Abrasor® X70 Series Chemical Resistant Rubber Hoses are designed for superior performance in piping applications where acid and chemical resistance is required. We can offer a superior range of chemical resistant compounds, specifically designed for handling acidic and high temperature mediums. We can customize each hose to suit the specific chemical composition of the materials being transferred. Can be offered in both hard wall and soft wall variations.

As one of the few manufacturers able to cure hot butyl tube liners into our hoses, we can provide increased temperature resistance whilst also maintaining excellent chemical and abrasion properties, perfect for high temp or acidic slurry. Our butyl lining is vulcanized directly onto the hose, significantly reducing the risk of liner detachment during suction applications, ensuring reliability in demanding environments.



TECHNICAL SPECIFICATIONS

Hose size	DN25 - 1200
Length	Up to 20m
Pressure rating	-100kPa - +8000kPa
End connections	Plain Swivel flange(beaded) Fixed flange Flanged spigot (swivel or fixed) Victaulic spigot (shouldered, roll grooved, cut grooved) Threaded Raised Cuffed Custom
Flange patterns	AS2129, ASME B16.5, ASME B16.47, AWWA C207, AS4087, BS EN 1092, BS 3293, JIS B2220, SANS 1123, DIN ISO 7005, custom
Safety factor	4:1
Temperature rating	-30 to +120 (FLOWTECH)
Optional extras	Anti-static wire ID tagging

MATERIAL SPECIFICATIONS

Inner Liner	BUTATECH (for high acidic slurry) FLOWTECH (for high temp water media) HYPATECH (for high acidic or high temp media)
Reinforcement	Spiralled synthetic fabric Wire helix
Outer cover	ABRASATECH (for abrasion and UV resistance) FLOWTECH (for extreme UV or seawater) BUTATECH (for high wear and acidic or high temp slurry) HYPATECH (for acidic and high temp media)
Connection material	Hot dipped gal (as standard) Stainless steel (SS316, SS304) Carbon steel Painted Custom

TECHNICAL PROPERTIES

HOSE SIZE		STANDARD LINER THICKNESS	VACUUM RATING	STANDARD WORKING PRESSURE		MAX WORKING PRESSURE		SAFETY FACTOR	WEIGHT	MINIMUM BEND RADIUS
DN	mm	mm	%	kPa	PSI	kPa	PSI	Ratio	Kg/mt	X Dia
50	50.8	3	100	1000	145	8000	1160	4:1	2	6
80	76.2	3	100	1000	145	8000	1160	4:1	4	6
100	101.6	3	100	1000	145	8000	1160	4:1	5	6
125	127	3	100	1000	145	8000	1160	4:1	6	6
150	152.4	3	100	1000	145	8000	1160	4:1	7	6
200	203.2	3	100	1000	145	8000	1160	4:1	12	6
250	254	3	100	1000	145	8000	1160	4:1	17	6
300	304.8	3	100	1000	145	6000	870	4:1	25	8
350	355.6	3	100	1000	145	6000	870	4:1	32	8
400	406.4	3	100	1000	145	5000	725	4:1	39	8
450	457.2	3	100	1000	145	4000	580	4:1	43	8
500	508	3	100	1000	145	4000	580	4:1	59	8
550	558.8	3	100	1000	145	4000	580	4:1	53	8
600	610	3	100	1000	145	4000	580	4:1	60	8
650	660.4	3	100	1000	145	2500	363	4:1	64	Contact us
700	711.2	3	100	1000	145	2500	363	4:1	69	Contact us
750	762	3	100	1000	145	2500	363	4:1	83	Contact us
800	812.8	3	100	1000	145	2500	363	4:1	97	Contact us
900	914.4	3	100	1000	145	2500	363	4:1	120	Contact us
1000	1016	3	100	700	102	2500	363	4:1	122	Contact us
1100	1117.2	3	100	700	102	2500	363	4:1	149	Contact us
1200	1219.2	3	100	700	102	2500	363	4:1	175	Contact us

Key notes

- Hoses can be fully customised to non-standard specifications including, inside diameter, outside diameter, liner thickness, working pressure, bend radius and weight
- Minimum bend radius figures are only applicable to hoses with standard liner thickness and working pressure. Please consult us if you require minimum bend radius figures for non-standard items. If you require a more flexible hose, please check out our Turboflex™ range
- Max working pressure will not be compatible with all end configurations, please get in contact with us to find out more
- Our acid and chemical liners suit a various range of chemicals. When quoting we require an exact chemical profile and percentage
- Weight and bend radius values are approximate and may vary