

Dunlop Type 341X

- XLPE Chemical Suction & Discharge Hose

Application

Lightweight, flexible chemical suction and discharge hose with extremely high chemical resistance. The use of cross-linked polyethylene (XLPE) for the lining allows the hose to handle some 90% of all industrial chemicals.

Working/Burst Pressure	14/56 bar (Dunlop Type 341X)
Operating Temperature	-20°C to +60°C
Electrical Continuity	Electrically continuous or discontinuous as required
Maximum lengths	40m (up to 8" internal diameter) 12m (above 8" internal diameter)



Construction

Lining	Main XLPE lining
Main reinforcement	Multiple plies of high tenacity rayon cord designed for a combination of high strength and resistance to fatigue. Each layer is fully encapsulated in rubber to prevent abrasion with adjacent layers
Embed wire	Helical steel wire to resist collapse and crush loads
Holding ply	Textile reinforcement to increase adhesion between hose body and cover
Cover	Weathering and abrasion resistant rubber compound
Fittings	Swaged-on stems and ferrules with flanges to suit customer requirements

Technical Design Data

ID		OD	Body Weight	End Weight	MBR	Maximum Working Tensile Load
inch	mm	mm	kg/m	kg/hose	m	Tonnes
2	51	83	4.6	8	0.40	1.1
2.5	64	96	5.4	13	0.50	1.0
3	76	109	6.4	15	0.60	1.1
4	102	134	8.4	23	0.80	1.2
5	127	162	11.7	28	1.00	3.0
6	152	188	14.4	37	1.20	3.3
8	203	244	22.4	58	1.60	6.3
10	254	296	29.9	100	2.00	7.5
12	305	355	41.9	155	2.40	9.8

Hoses manufactured in the United Kingdom

CE branded hoses showing full compliance with European Pressure Equipment Directive PED 97/23/EC