Multi-Purpose Reinforced PVC Hose

CX Series

The Coplexel hose range is manufactured by unique advanced hose production techniques using extrusion of high quality PVC material. The range has a black inside core and blue or black scuff resistant outer cover to give long lasting use in service and more positive handling.

Coplexel has been created for numerous applications where lack of flexibility and weight of traditional hoses has given problems or limitations in use. Coplexel is lightweight, affording less operator fatigue and extra flexible with greater kink resistance, immediate recovery and with tighter bend radius potential. These qualities make Coplexel your first choice for normal pneumatic application, air tools and water or liquid delivery.

The use of high quality PVC gives the Coplexel range a resistance against a wide range of chemicals and allows the hose to be used over a wide temperature range. Chemical applications will be governed by the suitability of customers' products with flexible PVC - the hose is usable from -15°c to +60°c.

Technical Data						
UK and European Sizes						
Code	Size I.D.	Size O.D	Weight per coil kgs	Working pressure		Bend Radius mm
				Bar	PSI	
CX06	6	10.5	1.8	18	260	28
CX08	8	12.5	2.6	15	220	29
CX10	10	14	2.9	13	190	40
CX12	12	17	3.8	13	160	55
CX16	16	21	6.7	13	160	95
CX19	19	24	7.8	13	160	135

3:1 Safety Factor @ 20°c
UK Standard Stock Sizes in 30m coils.
Colours available ex-stock: Blue and Black
Other colours available subject to minimum manufacturing quantities

Other dimensions available, subject to a minimum manufacturing quantity.

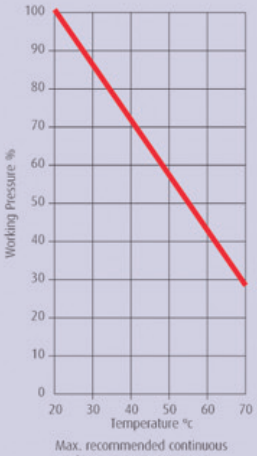
Coplexel hose can be manufactured to special purpose requirements with working pressures between 30 and 40 bar. Details on request.

Conforms to Product Standards:
BS 6066 : 1981 (1986) ISO 5774 : 1980

Test Methods and Procedures:
BS EN ISO 7751: 1997 BS EN ISO 1307 : 1996
ISO 1402 : 1994 BS EN 28033 : 1993
BS EN 24671 : 1993 ISO 8033 : 1991

Please see Standards Index for further information

Pressure/Temperature Relationships



Max. recommended continuous working temperature = 60°c

CHEMICAL RESISTANCE CHART

N	PUR	PE	PVC	
-	4	1	4	Acetic Acid. Glacial
-	4	1	4	Acetic acid. 30%
-	4	2	4	Acetone
-	4	1	1	Acetylene
-	4	-	-	Akazene
-	3	2	1	Aluminum Choride (aq)
-	3	-	-	Aluminum Nitrate (aq)
-	4	2	1	Ammonia Anhyarous
-	3	-	-	Ammonia Gas (cold)
-	4	-	-	Ammonia Gas (hot)
-	1	1	1	Ammonium Chioride (aq)
-	1	1	1	Ammonium Sulfate (aq)
-	4	2	1	Amyl Alcohol
-	4	-	-	Amyl Naphthalene
-	1	-	-	Animal Fats
-	4	2	3	Aqua Regia
-	3	2	1	Arsenic Acid
-	2	1	1	Asphalt
-	2	-	-	ASTM Fuel A
-	3	-	-	ASTM Fuel B
-	3	1	1	ASTM Fuel C
-	1	1	1	Barium Choride (aq)
1	2	1	1	Beer
-	4	1	1	Beet Sugar Liquors
1	3	3	3	Benzene
-	2	-	-	Benzine
-	4	-	-	Blast Furnace Gas
-	4	-	1	Bleac Solutions
-	1	1	2	Borax
-	1	1	1	Boric Acid
-	4	-	-	Brake Fluid
-	2	4	3	Brine
4	4	-	-	Bromine Water
-	2	-	-	Bunker Oil
1	1	3	3	Butane
-	1	-	-	Butter
3	4	1	2	Butyl Alcohol
-	4	1	1	Butylene
1	1	2	1	Calcium Chioride (aq)
-	1	2	1	Calcium Hydroxide (aq)
1	1	-	-	Calcium Nitrate (aq)
-	1	-	-	Calcium Sulfide (aq)
-	4	-	1	Cane Sugar Liquors
-	3	2	3	Carbollc Acid
-	1	3	1	Carbon Dioxide
-	1	2	1	Carbonic Acid
-	1	2	1	Carbon Monoxide
3	4	2	2	Carbon Tetrachloride
-	1	-	1	Castor Oil
4	4	2	1	Chlorine (dry)
4	4	-	1	Chlorine (wet)
3	4	3	4	Chloroform
-	4	-	-	Chlorox
4	4	1	1	Chromic Acid
1	1	1	2	Citric Acid
-	3	-	-	Coal Tar
-	2	-	1	Coconut Oil
-	1	-	1	Cod Liver Oil
-	4	-	-	Coke Oven Gas
-	1	2	1	Copper Chloride (aq)
-	1	2	1	Copper Chloride (aq)
-	1	3	2	Com Oil
-	1	2	2	Cotton Seed Oil
4	4	3	4	Creosot
1	1	2	4	Cychlohexane
-	4	-	-	Denatured Aicohol
-	4	1	1	Detergent Solution
-	3	3	1	Diesel Oil
-	4	-	-	Dioxane
-	3	-	-	Dowtherm Oil
-	4	-	-	Dry Cteaning Fluids
-	3	-	4	Ethane
-	4	-	-	Ethyl Acrylate
3	4	-	-	Ethyl Alcohol
-	4	-	-	Ethyl Benzine
-	2	-	-	Ehtyl Cellulose
-	2	-	-	Ethyl Chlonde
-	3	-	-	Ethyl Ether

N	PUR	PE	PVC	
-	4	1	4	Ethylene Chloride
-	4	1	4	EthyleneGlycol
-	4	2	4	Ethylene Oxide
-	4	1	1	Ethylene Trichloride
-	4	-	-	Ferric Chloride (aq)
-	3	2	1	Ferric Nitrate (aq)
-	3	-	-	Ferric Sulfate (aq)
-	4	2	1	Fluorine (Liqued)
-	3	-	-	Formaldehyde (RT)
-	4	-	-	Formic Acid
-	1	1	1	Freon 11
-	1	1	1	Freon 12
-	4	2	1	Freon 22
-	4	-	-	Fuel Oil
-	1	-	-	Futural Glucose
-	4	2	3	Glue
-	3	2	1	Glycerin
-	2	1	1	Glycols
-	2	-	-	Green Sultate Liquor
-	3	-	-	Hexane
-	3	1	1	Hydraulic Oil
-	1	1	1	Hydrochloric Acid (cold) 37 %
1	2	1	1	Hydrochioric Acid (hot) 37%
-	4	1	1	Hydrofluoric Acid (Conc.)Cold
1	3	3	3	Hydrofluoric Acid (Conc.) Hot
-	2	-	-	Hydrogen Gas
-	4	-	-	Isobutyl Alcohol
-	4	-	1	Isooctane
-	1	1	2	Isopropyl Acetate
-	1	1	1	Isopropyl Alcohl
-	4	-	-	Isopropyl Ether
-	2	4	3	Kerosene
4	4	-	-	Lacquers
-	2	-	-	Lacquer Solvents
1	1	3	3	Lard
-	1	-	-	Lavender Oil
3	4	1	2	Lead Acetate (aq)
-	4	1	1	Linseed Oil
1	1	2	1	Liquified Petrolateum Gos
-	1	2	1	Lubricating Oils
1	1	-	-	Lye
-	1	-	-	Magnesium Chloride (aq)
-	4	-	1	Magnesium Hydroxlde (aq)
-	3	2	3	Mercury
-	1	3	1	Methane
-	1	2	1	Methyl Acetate
-	1	2	1	Methyl Acrylate
3	4	2	2	Methyl Alcohol
-	1	-	1	Methyl Butyl Ketone
4	4	2	1	Methyl Cholride
4	4	-	1	Methylene Cholride
3	4	3	4	Methyl Ethyl Ketone
-	4	-	-	Methyl Isobutl Ktone
4	4	1	1	Milk
1	1	1	2	Mineral Oil
-	3	-	-	Naphtha
-	2	-	1	Naphtalene
-	1	-	1	Natural Gas
-	4	-	-	Neatsfoot Oil
-	1	2	1	Nitric Acid (Conc.)
-	1	2	1	Nitric Acid (Dilute)
-	1	3	2	Nitroethane
-	1	2	2	Nitrogen
4	4	3	4	N-Octane
1	1	2	4	Oleic Acid
-	4	-	-	Oleum Spirits
-	4	1	1	Olive Oil
-	3	3	1	Oxygen-Cold
-	4	-	-	Oxygen (200-400°F)
-	3	-	-	Paint Thnner, Duco
-	4	-	-	Perchloric Acid
-	3	-	4	Perchloroethylene
-	4	-	-	Petrolenm-Below 250°F
3	4	-	-	Petroleum-Above 250 F
-	4	-	-	Phenol
-	2	-	-	Phenyl Ethyl Ether
-	2	-	-	Phosphoric Acid-45%
-	3	-	-	Pickling Solution

N	PUR	PE	PVC	
3	2	-	4	Picric Acid
-	4	-	-	Patassium Acetate (aq)
-	1	1	1	Patassium Chloride (aq)
-	1	1	1	Patassium Cyanide (aq)
3	4	1	1	Patassium Hydroxide (aq)
-	1	1	1	Producer Gas
1	3	3	1	Propane
-	4	-	-	Propyl Alcohol
-	4	-	-	Propylene
-	4	-	-	Propylene Oxicde
-	4	-	-	Pydraul, 10E, 29 ELT
-	4	-	-	Pydraul 30E, 50E, 65E
-	4	-	-	Pydraul,115E
-	4	-	-	Pydraul 230E, 312C, 540C
-	2	-	-	Rapeseed Oil
-	1	-	-	Red Oil (MIL-H-5606)
-	1	-	-	RJ-1 (MIL-F-2338 B)
-	1	-	-	RP-1 (MIL-F-25576 C)
1	2	1	1	Salt Water
-	4	-	-	Sewage
-	1	-	-	Silicate Esters
-	1	1	1	Silicone Oils
-	1	2	1	Silver Nitrate
-	4	-	-	Skydrol 500
-	4	-	-	Skydrol 700
1	3	3	1	Soap Solutions
1	1	1	1	Sodium Chloride (aq)
2	4	2	1	Sodium Hydroxide (aq)
-	4	1	2	Sodium Peroxide (aq)
-	1	-	-	Sodium Phosphate (aq)
-	1	1	1	Sodium Sultate (aq)
-	2	1	1	Soy Bean Oil
4	4	-	-	Steam Under 300°F
4	4	-	-	Steam Over 300°F
-	1	3	3	Stoddard Solvent
-	3	-	4	Styrene
-	4	-	-	Sucrose Soluttion
-	3	1	1	Sulfuric Acid (Dilute)
-	4	3	4	Sulfuric Acid (Conc.)
-	4	-	-	Sulfuric Acid (20% Oleum)
-	3	2	1	Suifurous Acid
-	1	2	1	Tonnic Acid
-	4	2	4	Tetrochlorethlene
1	4	3	4	Toluene
-	1	-	-	Transformer Oil
-	1	-	-	Tronsmission Fluid Type A
3	4	-	3	Trichloroethane
3	4	3	4	Trichtoroethylene
-	1	3	-	Turbine Oil
1	4	3	2	Turpentine
-	3	3	4	Vamish
1	4	2	1	Vinegar
-	4	-	-	Vinyl Chloride
1	1	1	1	Water
1	2	3	1	Whiskey
-	1	-	-	White Oil
-	3	-	-	Wood Oil
2	4	3	4	Xylene
-	4	1	-	Zinc Acetate (aq)
1	1	-	1	Zinc Chloride (aq)

NYLON 6, 12 & POLYURETHANE ETHER BASE/PE POLYETHYLENE/PVC POLYVINYL CHLORIDE

Please Note: The above ratings are very general guidelines and designed only to be used as an initial screening tool.

Careful testing under actual conditions essential. Accuracy for these ratings is not given or implied.

Ratings: 1. Little or no impact/ 2. Minor effect/ 3. Moderate effect/ 4. Severe effect.