

DUPLON

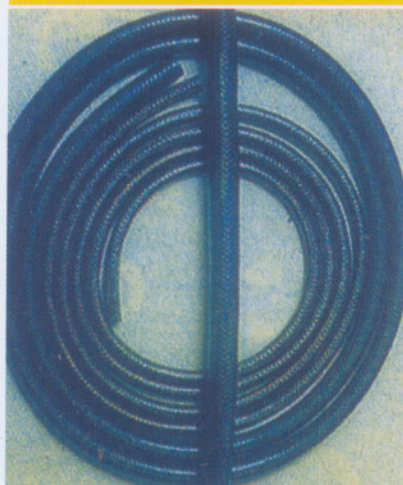
BRAIDED PVC HOSE



**Superior to Rubber.
Superior to Anyone Else.**

DUPLON BRAIDED PVC HOSE

WATER HOSE



M.D. ROCK DRILLING



CAR WASHING & PESTICIDES SPRAYING



DUPLON is a new, industrial power hose specially designed for applications requiring a stronger, more resistant hose pipe.

Made from a high quality thermoplastic compound, Duplon is reinforced (braided) with special quality synthetic yarn, crosswise as well as lengthwise, giving the tube greater strength and resistance, even against higher working pressure.

DUPLON proves to be a better alternative to rubber hoses, as it offers better resistance to higher working pressure, Oil, Chemicals, Moisture, Abrasion, Ozone and Climatic condition. Moreover, DUPLON has superior consolidation and adhesion between the braids and covers, as compared to conventional rubber hoses. Easily available at short notice.

DUPLON is light in weight and is unbelievably flexible with ID maintained throughout length

AIR & PNEUMATIC HOSE (Transparent)

DUPLON Air & Pneumatic hose is the only pressure hose which is reinforced in longitudinal section.

It proves to be multipurpose hose for applications like Air/Pneumatic/Heavy Duty Suction and Delivery of Water and Chemicals.

DUPLON SUPER-SPRAY HOSE (Yellow)

DUPLON Super-Spray hose is recommended for high pressure spraying of water based chemicals, insecticides, fungicides, weeding etc.

In Plantation Orchards, Forestry, Parks, Vineyards, and a variety of other areas involving spraying by hand or power driven pumps.

SPECIFICATIONS :

SIZE IN MM.	WALL THICKNESS IN MM	WORKING PRESSURE AT 30°C KG/CM ²	STANDARD LENGTH
5	2.5	15	50/100
6	3	25	50/100
8	3	25	50/100
10	3.5	25	50/100
12	3.5	20	50/100/200
15	3.5	20	50/100
20	4	20	50/100/200
25	4.8	15	50/100
30	4.8	15	50/100
40	5	15	30/50
50	6	10	30/50
SUPER SPRAY			
10	4	40	60/100/200
12	4.5	30	60/100/200
WATER HOSE			
12	2	7	50/100
20	2.5	7	50/100
25	3	5	50/100
WELDING			
8	3	25	50/100
10	3.5	25	50/100
CAR WASHING			
10	5.0	40	30/60
12	5.5	30	30/60

Supplies will be in assorted lengths between 30 to 150 mtrs. as received from the factory.

DUPLON CAR WASHING HOSE (Black)

DUPLON car washing hose is made of 100% oil resistant PVC compound and braided with extra strong fine synthetic yarn to withstand working pressure upto 30/40 Kg/CM². The outer surface of our hose is totally abrasion resistant.

DUPLON WATER HOSE (Green)

DUPLON Water Hose has been designed for general water delivery in Steel Mills and Engineering works, on Construction sites and Irrigation projects. Gardening and a wide range of allied applications.

DUPLON WELDING HOSE (Red & Blue)

DUPLON Welding Hose is suitable for Oxy-acetylene welding and cutting equipment in all types of Industrial workshops. Oil Refineries, Steel mills, Ship Building and Repair yards; Service stations, Garages etc.

DUPLON Red Welding Hose is used for acetylene applications while Blue/Black Welding Hose or Oxygen and other non-combustible gases.

PROPERTIES :

- Light in weight & Flexible
 - Strong enough to withstand high pressure, total consolidation and adhesion levels are superb.
 - Abrasion resistant : Offers a high degree of resistance to abrasion.
 - Rodent Proof : No danger to the pipe from rodents.
 - Crush & Kink resistant : Doesn't kink or crush under any rough working condition.
 - Resistant to Oil, Chemicals & Moisture : Unaffected by Chemicals, Acids, Alkalies etc.
- (A chart showing the use of DUPLON for various chemicals can be provided on request)

Introducing

Rock Drill Power Hose
Hi-Pressure Spray Hose
Power Hose (Car Washing)
Range : 8.5/10/12/20 mm
Pressure : upto
WP 50 BP 225 kg./cm²

DUPLON

 BRAIDED PVC HOSE

A Challenging Replacement to Braided Rubber Hoses



DUPLON braided flexible PVC hoses have so far successfully replaced at least 25 crores in mtrs. of conventional braided RUBBER HOSES for applications like WATER, AIR, PNEUMATIC, MEDIUM DUTY ROCK DRILLING WELDING, CHEMICAL, AGRICULTURAL SPRAY, CAR WASHING and VARIOUS OTHER INDUSTRIAL APPLICATIONS.

DUPLON is manufactured by M/s. NIPPON POLYMERS PVT. LTD. Ahmedabad-380 009, which is also from the HOUSE OF DUTRON, manufacturers of *Kanaflex* Brand PVC Suction, and Delivery and DUCT hoses with technical know-how from M/s. TOTAKU INDUSTRIAL INC, OSAKA, JAPAN.

DUPLON is the market leader in this line and our products have been widely accepted as a permanent replacement to rubber hoses in various Government

departments, large and medium scale Public/Private Sector Industries throughout the country like ONGC, IPCL, Tata Chemicals, Bajaj Tempo, GEC, Atomic Energy, NALCO, HINDUSTAN ZINC etc.

DUPLON braided hoses have been tested in a Government Test House viz. National Test House, Alipore, Calcutta for burst strength and for other parameters like Environmental Stress Cracking Resistance and Chemical Resistance, further tests have been carried out by Central Institute of Plastics Engineering & Technology, Ahmedabad and Italab Pvt. Ltd., Mumbai.

We are reproducing below a comparative chart showing how effectively our **DUPLON** hoses can be used against RUBBER HOSES as a permanent replacement, illustrating the advantages of plastic over rubber.

APPLICATIONS :

DUPLON Braided PVC Hose finds a wide range of applications in Agriculture and Industry-Ideal for transportation of Compressed air, Chemical, high pressure fluids etc. at atmospheric and elevated temperatures.

TEMPERATURE : Up to 70°C

	DUPLON	Nearest Competitors in Quality Rubber Hoses	Other Commercial Rubber Hoses
WORKING PRESSURE	30/40% higher than BIS Standard fixed for rubber hoses.	In line with BIS Standards	Same
CONSOLIDATION & ADHESION BETWEEN THE OUTER & INNER COVERS AND BRAIDS	Much Superior to rubber as our hose is totally a fused object and hence can withstand more pressure and will not burst due to ply looseness which is a common complaint in rubber hoses.	As rubber hoses are manufactured either in ply construction or with spiral braids, failures like bulging and bursting very common due to poor consolidation.	Same
ABRASION RESISTANCE	Excellent	Poor Compared to PVC	Same
RESISTANCE TO OIL CHEMICALS & MOISTURE	PVC has superior resistance to Oil & Chemicals than rubber. NO EFFECT WITH MOISTURE Except for Solvents, our hose can offer excellent resistance to almost all Chemicals, Acids, Alkalies etc. upto a concentration of 60/70%	Oil Drips into the inner layers and braids and finally the consolidation becomes poor and the hose bursts. Chemical also destroys the properties of rubber much faster than PVC. CAN HAVE EFFECT OF MOISTURE DEPENDING ON THE QUALITY of reinforcement used for braiding.	Same
ID VARIATIONS	Uniform ID will be maintained	Chances of ID variations are more with rubber.	Same
AVAILABILITY & RANGE	Readily available, Range : 5 mm to 50 mm	In general, delivery period is more.	Same
LENGTHS	50/100/200 mtr. length or as per order.	----	----
MAX. OPERATING TEMP.	60/70°C	Same	Same
OZONE RESISTANCE	Our expertise in plastic technology offers you a hose which will not crack or loose the flexibility when exposed to sunlight. Climatic conditions will not have any effect on our hoses.	All these can affect the properties of rubber to a greater extent	Same

	DUPLON	Nearest Competitors in Quality Rubber Hoses	Other Commercial Rubber Hoses
LIFE	Equivalent to rubber and in certain applications better than rubber	Equivalent to PVC and in certain applications much lower than PVC	If you compare the commercial quality hoses our PVC can get double the life of such rubber hoses.
EASY TO HANDLE	Lighter by 20/30%	Heavier by 20/30%	Heavier by 20/30%
INVENTORY ECONOMY	Our transparent hose can be used for Air/Pneumatic/M.D. Rock Drilling Heavy Duty Water Suction & Delivery and Chemical which helps the end users to keep a low inventory.	Have to keep different hoses for different applications and hence high inventory level to be maintained.	Same
PRICE	40/60% Cheaper than quality rubber products.	On an average double the cost of PVC	PVC may be costlier by 20% but PVC can offer atleast double the life of these commercial qualities.

The general impression of a customer as regards PVC braided hoses is whether it can take pressure like rubber, or will crack when exposed to sunlight or will it lose the flexibility. Please remember that only DUPLON brand could offer these quality standards. That is why DUPLON brand has established itself in industrial uses where other PVC braided hoses have failed miserably during the tough field trials and rigorous tests.

Kindly do not hesitate to ask for further clarifications or copies of our test certificates and the copies of prestigious order we have received recently. A copy of our chemical resistance chart shall be provided on your request.

HOW TO SELECT OUR HOSES

AIR/PNEUMATIC HOSES

Range 5 mm to 50 mm ID. Our Air/Pneumatic Hose is a multi-purpose hose which can be used for Air Compressors, Heavy duty Water Suction & Delivery, Conveying Chemicals and Gases, Pneumatic and other industrial applications. We are developing shortly special hoses for Rock Drilling.

Our Pneumatic Hose is being successfully used in Steel Casting Units for chipping hammer and grinder and the customers have found the same superior to rubber for reasons stated above. Many of bulk mining units have made it a practice to use few meters of Rubber hose at the Jack Hammer end and then connecting the same with our Pneumatic hose with a hose clamp upto the compressor end. This is done mainly to take full advantage of our superior quality and also to avoid the possible failure of PVC hose at the drilling end due to high temperature build-up and sparks.

M. D. ROCK DRILLING

Our 20 mm. ID transparent hose has emerged as a permanent replacement of Braided Rubber Rock Drill hoses with Jack Hammer applications in Quarries, Marble and Granite Mines etc. Ideal with Tractor mounted Compressors (K.G. Khosla) and VT4 type (Atlas-Copco) Compressors. Special Mining hoses with higher working temp. are being introduced shortly.

CAR WASHING HOSE

For washing vehicles at Service Stations. Working Pressure : 30/40 kg/cm² Range : 10 & 12 mm. Only hose which can fully withstand the unavoidable oil/grease contamination in garage.

SUPER SPRAY HOSE

Ideal for spraying Agricultural Pesticides - Range : 10 & 12 mm ID.

WELDING HOSES

For Gas Welding - available in Red & Blue colours. Range : 8 mm & 10 mm. Although PVC can offer more service life than rubber, care should be taken not to get the hose indirect contact with red hot metal surface during the process of welding.

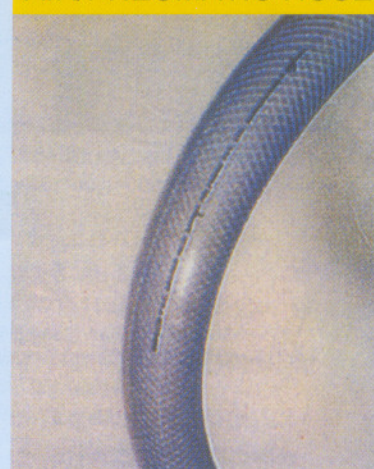
WATER GARDEN HOSE (GREEN COLOUR)

For Gardening & other Water Delivery purposes. Range : 12 mm to 25 mm

HOSE CLAMPS

For low pressure air hoses, you can use worm Drive Hose Clips whereas for high pressure pneumatic applications use ONLY M/I Hoe clamps made of Malleable Iron.

AIR/PNEUMATIC HOSE



Please put on trial immediately our DUPLON hoses in case you have not tried so far.

A QUALITY PRODUCT FROM THE HOUSE OF DUTRON

For further details, please contact

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