

Rubber hoses with polyamide inner layer - for paints and solvents



SPRAY NO.

Hose for paints and solvents

Inner layer: polyamide (PA), silicone-free

Reinforcement: textile braid: single for 1/4" and 3/8", double from

1/2") **Outer layer:** black synthetic rubber

Operating temp: -20°C to +90°C

High-quality rubber discharge hose manufactured in the USA with an inner layer made of chemically resistant polyamide (nylon). The very smooth inner surface reduces flow losses and ensures easy cleaning. Synthetic textile braid reinforcement ensures high pressure resistance and low deformation under pressure. Smooth synthetic rubber outer layer, resistant to contact with chemicals and oil (RMA Class B - medium resistance). For hoses with internal diameters of 1/4" and 3/8", outer layer antistatic $R < 10^{(6)\Omega}$.

A hose designed for industrial applications, particularly for organic solvents and petrochemicals.

The good resistance of polyamide to many solvents allows the hose to be used in the paint industry, for the transfer of paints, varnishes, adhesives and resins. Chemical resistance and the possible problem of static electricity must always be considered. In particular, anti-static hoses with diameters of 1/4" and 3/8" are widely used as hoses for paint pressure feed to spray guns in automotive workshops, construction and industry.

Chemical resistance check: PA chemical resistance table (pre-selection), confirmation of resistance and conditions of use by Tubes International.

Assembly:

Use spigot ("tail" to the hose) ends that are smooth and do not have sharp or high notches that could cut or damage the polyamide inner layer when clamped. Typical hydraulic spigots may be used. The diameter of the spigot should be exactly matched to the diameter of the hose to ensure tightness. Assembly depending on operating pressure with hose clamps, collets or for larger diameters with shell clamps. Typical factory spray gun hoses often have reusable twist-on ends.

index	internal diameter [inch]	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [bar]	Bursting pressure [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
GY-NRSPRAY-06	1/4"	6,4	12,4	3,0	52	208	48	0,12	152,5
GY-NRSPRAY-10	3/8"	9,5	17,8	4,15	52	208	64	0,22	152,5
GY-NRSPRAY-13	1/2"	12,7	22,4	4,85	52	208	104	0,33	152,5
GY-NRSPRAY-19	3/4"	19,1	30,2	5,55	52	208	152	0,54	152,5
GY-NRSPRAY-25	1"	25,4	38,4	6,5	52	208	200	0,80	152,5

Note: Indexes highlighted in colour - most commonly used.

