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Parker Industrial Hose

Snap-tite Polyurethane Lay Flat Hose



ENGINEERING YOUR SUCCESS.

Parker Snap-tite Polyurethane Lay Flat Hose

Rugged Constructions for Diverse Applications

Parker Snap-tite polyurethane lay flat hose provides compact, durable, lightweight water and multipurpose service in agricultural, construction, general industrial and mining applications. The hose offers superior value due to its robust design, rugged materials, compatibility with multiple media and versatility across many applications.

Traditional PVC lay flat hose incorporates spiral reinforcement sandwiched between stiff layers of

PVC, whereas Parker Snap-tite hose features a strong circular woven reinforcement that allows the polyurethane to be extruded through-the-weave, fully encapsulating the textile reinforcement. The strong yet pliable hose wall resists abrasion, cracking, puncturing, and degradation from oil, ozone, petrochemicals, ultraviolet light and weathering. The design and materials promote strong adhesions between the hose components, resulting in exceptional performance and service life.

Parker Snap-tite hose is offered in distinct styles for targeted service. TE is for industrial applications, AS incorporates dual antistatic wires for grounding a static charge, IR is for irrigation, PW is for potable water and TS features a thick wall for slurry applications. All (except PW) are offered with optional standard colours for easy identification, and the flexible lay flat construction rolls up for easy handling, transportation and storage.

General Specifications

| | |
|---------------------------|---|
| Hose Construction: | Polyurethane extruded through one woven polyester ply of reinforcement (AS hose contains dual antistatic wires) |
| Temp Range: | -40°C to +80°C (-40°F to +176°F) |
| Brand Method: | Black or white text |
| Brand Example: | SNAP-TITE (PART NUMBER) (DATE CODE) MADE IN IRELAND MAXIMUM WORKING PRESSURE (XXX) PSI |
| Packaging: | Coils (maximum 100 metres) or flaked in cartons |

TE Blue Multipurpose Hose



TE is a standard duty water discharge and transfer hose for general industrial applications.

PW (Potable Water) Hose is a distinct version of TE hose for potable water service.

PW hose has been fully tested to prove compatibility with potable water, including taste and odour. It is used in mobile applications to transfer large volumes of drinking water from tank trucks to major public events or work sites, as well as emergency water supply lines to bypass water mains where service has been curtailed due to construction. PW hose is much easier to couple, install and remove than polyethylene pipe, and is resistant to petrochemical ingress and resulting water contamination.

PW hose meets the following standards/requirements:

- England, Northern Ireland and Wales: Approved for use in public water supplies per the Secretary of State's List of Approved Products, listing 56/4/62, as published by the Drinking Water Inspectorate (DWI).
- Poland: National Institute of Public Health listing HK/W/0105/01/2009.
- Scotland: Approved by the Scottish Ministers per Water Supply (Water Quality) (Scotland) Regulations 2001, Regulation 27/4.
- UK Private Schemes: Water Regulations Advisory Scheme (WRAS) Approval Number 0710512.
- USA: Meets and exceeds standard NSF 61 for potable water.

| Size | Nom ID (in) | Reinf Plies | Nom Wall Thickness (in) | Approx Wt | | Max Rec WP* | | Min Burst Pressure | | Std Pack (metres) |
|--------|-------------|-------------|-------------------------|-----------|--------|-------------|-------|--------------------|-------|-------------------|
| | | | | (lb/m) | (kg/m) | (psi) | (bar) | (psi) | (bar) | |
| 1-1/4" | 1-1/4 | 1 | 0.085 | 0.497 | 0.225 | 450 | 31.0 | 900 | 62.1 | 200 |
| 1-1/2" | 1-1/2 | 1 | 0.085 | 0.730 | 0.331 | 450 | 31.0 | 900 | 62.1 | 200 |
| 1-3/4" | 1-3/4 | 1 | 0.090 | 0.794 | 0.360 | 450 | 31.0 | 900 | 62.1 | 200 |
| 2" | 2 | 1 | 0.090 | 0.900 | 0.408 | 450 | 31.0 | 900 | 62.1 | 200 |
| 2-1/2" | 2-1/2 | 1 | 0.090 | 1.279 | 0.580 | 450 | 31.0 | 900 | 62.1 | 200 |
| 3" | 3 | 1 | 0.130 | 1.656 | 0.751 | 350 | 24.1 | 700 | 48.3 | 200 |
| 3-1/2" | 3-1/2 | 1 | 0.130 | 2.130 | 0.966 | 250 | 17.2 | 500 | 34.5 | 200 |
| 4" | 4 | 1 | 0.130 | 2.507 | 1.137 | 270 | 18.6 | 540 | 37.2 | 200 |
| 4-1/2" | 4-1/2 | 1 | 0.130 | 2.745 | 1.245 | 250 | 17.2 | 500 | 34.5 | 200 |
| 5" | 5 | 1 | 0.130 | 3.124 | 1.417 | 250 | 17.2 | 500 | 34.5 | 200 |
| 6" | 6 | 1 | 0.120 | 3.785 | 1.717 | 300 | 20.7 | 600 | 41.4 | 200 |

For TE hose for Potable Water (PW) service, specify when ordering. * Or rating of coupler, whichever is lower

Part Number Example: TE15X200MB

| | | | |
|---------|----------------|----------------------|-----------------|
| TE Hose | 15 ID (1-1/2") | 200M Length (metres) | B Colour (blue) |
|---------|----------------|----------------------|-----------------|

Optional Standard Colours:

| | | |
|-----------------------|------------------------|------------------------------|
| K Black (K) | G Green (G) | NG NATO Green (NG) |
| R Red (R) | Y Yellow (Y) | |

Part Number Example: TE15X200MBPW

| | | | | |
|---------|----------------|----------------------|-----------------|--------------------|
| TE Hose | 15 ID (1-1/2") | 200M Length (metres) | B Colour (blue) | PW (Potable Water) |
|---------|----------------|----------------------|-----------------|--------------------|

Optional Standard Colours: None; available in blue only

IR Blue Irrigation Hose



IR is a standard duty irrigation hose for water discharge and transfer in agricultural applications.

| Size | Nom ID (in) | Reinf Plies | Nom Wall Thickness (in) | Approx Wt (lb/m) (kg/m) | | Max Rec WP* (psi) (bar) | | Min Burst Pressure (psi) (bar) | | Std Pack (metres) |
|--------|-------------|-------------|-------------------------|-------------------------|-------|-------------------------|------|--------------------------------|------|-------------------|
| 1-1/4" | 1-1/4 | 1 | 0.085 | 0.497 | 0.225 | 450 | 31.0 | 900 | 62.1 | 200 |
| 1-1/2" | 1-1/2 | 1 | 0.085 | 0.730 | 0.331 | 450 | 31.0 | 900 | 62.1 | 200 |
| 1-3/4" | 1-3/4 | 1 | 0.090 | 0.794 | 0.360 | 450 | 31.0 | 900 | 62.1 | 200 |
| 2" | 2 | 1 | 0.090 | 0.900 | 0.408 | 450 | 31.0 | 900 | 62.1 | 200 |
| 2-1/2" | 2-1/2 | 1 | 0.090 | 1.279 | 0.580 | 450 | 31.0 | 900 | 62.1 | 200 |
| 3" | 3 | 1 | 0.130 | 1.656 | 0.751 | 350 | 24.1 | 700 | 48.3 | 200 |
| 3-1/2" | 3-1/2 | 1 | 0.130 | 2.130 | 0.966 | 250 | 17.2 | 500 | 34.5 | 200 |
| 4" | 4 | 1 | 0.130 | 2.507 | 1.137 | 250 | 17.2 | 500 | 34.5 | 200 |
| 4-1/2" | 4-1/2 | 1 | 0.130 | 2.745 | 1.245 | 250 | 17.2 | 500 | 34.5 | 200 |
| 5" | 5 | 1 | 0.130 | 3.124 | 1.417 | 250 | 17.2 | 500 | 34.5 | 200 |
| 6" | 6 | 1 | 0.120 | 3.785 | 1.717 | 300 | 20.7 | 600 | 41.4 | 200 |

* Or rating of coupler, whichever is lower

Part Number Example: **IR15X200MB**

IR **15** **200M** **B**
Hose ID Length Colour
(Irrigation) (1-1/2") (metres) (blue)

Optional Standard Colours:

K **G** **NG** **R** **Y**
Black (K) Green (G) NATO Green (NG) Red (R) Yellow (Y)

TS Brown Slurry Hose



TS is a heavy duty slurry discharge and transfer hose. The hose construction features a thick wall for additional abrasion resistance and durability in rugged slurry transfer applications.

| Size | Nom ID (in) | Reinf Plies | Nom Wall Thickness (in) | Approx Wt (lb/m) (kg/m) | | Max Rec WP* (psi) (bar) | | Min Burst Pressure (psi) (bar) | | Std Pack (metres) |
|--------|-------------|-------------|-------------------------|-------------------------|-------|-------------------------|------|--------------------------------|------|-------------------|
| 3" | 3 | 1 | 0.150 | 2.035 | 0.923 | 350 | 24.1 | 700 | 48.3 | 200 |
| 4" | 4 | 1 | 0.150 | 2.934 | 1.331 | 250 | 17.2 | 500 | 34.5 | 200 |
| 4-1/2" | 4-1/2 | 1 | 0.150 | 3.124 | 1.417 | 250 | 17.2 | 500 | 34.5 | 200 |
| 5" | 5 | 1 | 0.150 | 3.503 | 1.589 | 250 | 17.2 | 500 | 34.5 | 200 |
| 6" | 6 | 1 | 0.150 | 4.023 | 1.825 | 300 | 20.7 | 600 | 41.4 | 200 |

* Or rating of coupler, whichever is lower

Part Number Example: **TS30X200MN**

TS **30** **200M** **N**
Hose ID Length Colour
(Slurry) (3") (metres) (brown)

Optional Standard Colours:

K **G** **NG** **R** **Y**
Black (K) Green (G) NATO Green (NG) Red (R) Yellow (Y)

AS Yellow Antistatic Hose



AS is a discharge and transfer hose for fluids that develop electrical charges when flowing through the hose. AS hose incorporates dual antistatic wires that provide a path to conduct an electrical charge to ground. The distinctive bright yellow cover provides instant identification from multiple angles and great distances.

| Size | Nom ID (in) | Reinf Plies | Nom Wall Thickness (in) | Approx Wt (lb/m) (kg/m) | | Max Rec WP* (psi) (bar) | | Min Burst Pressure (psi) (bar) | | Std Pack (metres) |
|--------|-------------|-------------|-------------------------|-------------------------|-------|-------------------------|------|--------------------------------|------|-------------------|
| 1-1/2" | 1-1/2 | 1 | 0.085 | 0.730 | 0.331 | 400 | 27.6 | 800 | 55.2 | 200 |
| 2" | 2 | 1 | 0.090 | 0.900 | 0.408 | 450 | 31.0 | 900 | 62.1 | 200 |
| 2-1/2" | 2-1/2 | 1 | 0.090 | 1.279 | 0.580 | 300 | 20.7 | 600 | 41.4 | 200 |
| 3" | 3 | 1 | 0.130 | 1.656 | 0.751 | 300 | 20.7 | 600 | 41.4 | 200 |
| 4" | 4 | 1 | 0.130 | 2.507 | 1.137 | 250 | 17.2 | 500 | 34.5 | 200 |
| 6" | 6 | 1 | 0.120 | 3.785 | 1.717 | 300 | 20.7 | 600 | 41.4 | 200 |

* Or rating of coupler, whichever is lower

Part Number Example: **TE15X200MYAS**

TE **15** **200M** **Y** **AS**
Hose ID Length Colour (Anti Static)
(1-1/2") (metres) (yellow)

Optional Standard Colours:

K **N** **G** **NG** **R**
Black (K) Brown (N) Green (G) NATO Green (NG) Red (R)

Chemical Resistance Guide for TE & IR Hose

Key: G = Good • F = Fair • C = Conditional • X = Not Recommended

| Chemical | Resistance | Chemical | Resistance | Chemical | Resistance |
|-------------------------------|------------|------------------------------|------------|---------------------------------|------------|
| Acetone | X | Ethyl Ether | C | Phosphoric Acid (Crude) | X |
| Ammonium Hydroxide | X | Ethylene Dichloride | X | Phosphoric Acid 45% | X |
| Amyl Acetate | C | Freon 113 | G | Potassium Hydroxide | C |
| Benzene | X | Fuel Oil | F | Propyl Alcohol | C |
| Benzyl Alcohol | X | Fuel Oil Acid | C | Sodium Chloride | F |
| Butyl Acetate | G | Gasoline (Sour or refined) | G | Sodium Hydroxide (Caustic Soda) | C |
| Butyl Alcohol | G | Glue | G | Sodium Nitrate | G |
| Butyl Stearate | F | Grease | G | Sodium Phosphate | X |
| Calcium Chloride | G | Hydrochloric Acid (Hot) 37% | X | Sodium Silicate | G |
| Calcium Nitrate | G | Hydrochloric Acid (Cold) 37% | X | Sulphuric Acid 10% | C |
| Carbon Tetrachloride | X | Hydrogen Gas | G | Sulphuric Acid 11-75% | C |
| Chlorobenzene | X | Hydrogen Peroxide 90% | C | Sulphuric Acid 76-95% | C |
| Chloroform | X | Hydrogen Peroxide 3% | G | Toluene (Toluol) | X |
| Cresols | X | Kerosene | G | Trichloroethylene | C |
| Chlorox | C | Methyl Alcohol | C | Tricresyl Phosphate | X |
| Detergents (Non-hydrocarbon) | G | Methyl Ethyl Ketone (MEK) | X | Vegetable Oils | G |
| Diacetone Alcohol | X | Mineral Oil | G | Water, Fresh | G |
| Diesel Oil | G | Naphtha | F | Water, Sea | G |
| Diethylene Glycol, cold | G | Nitric Acid | X | Zinc Chloride, Dry | G |
| Ethyl Alcohol, (Ethanol) cold | G | Petroleum, Crude | G | Zinc Sulphate, Dry | G |
| | | Phenol (Carbolic Acid) | C | | |

WARNING! The above data is based on testing and believed to be reliable; however, the information should be used ONLY as a guide, since it does not take into consideration all variables, such as elevated temperatures, fluid contamination, concentration, etc., that may be encountered in actual use. All critical applications should be tested. Contact Parker Snap-tite for additional chemical compatibility information.

NOTE: For TE hose for Potable Water (PW) service, specify when ordering.

