

Jason TPU Layflat Hose Datasheet

High pressure TPU layflat hose in 200 m lengths for long distance water, frac and bore transfer.

- Founded in 2008, producing layflat hose in our own plant since 2010
- Exported to more than 50 countries
- Every manufacturing process complies with the ISO 9001 standard
- All layflat hose tested at 1.5 times working pressure for 2 hours before shipment
- Every hose carries a trace number for production date, operators and raw material source

All figures in this document are the published specifications of Taizhou Jason New Material Co., Ltd.. Working pressure, length, colour and coupling type are made to order. Confirm the final specification with our sales team before purchase.

16 Inch Layflat Hose



The 16 inch layflat hose is a DN400 TPU hose for long-distance water supply in firefighting, emergency water removal during floods, industrial bulk discharge, irrigation supply and frac solution transfer. TPU is extruded through the woven polyester so cover, liner and reinforcement behave as one wall. It is supplied in 200 m (660 ft) lengths in black, rated -50°C to 80°C.

Specification	Value
Cover and Liner	High quality TPU
Reinforcement	High tenacity synthetic yarn
Color	Black or as required
Size	16 inch(DN400)
Length	200m(660ft) or as required
Temperature	-50°C■+80°C(-60°F to 176°F)

Features

High pressure, Abrasion resistant, Extremely tough, Oil and chemicals resistance, Fast deployment and retrieval, Excellent flow rates, Long service life.

Applications

Long-distance water supply in fire fighting, emergency water removal during floods, industrial large volume water discharge, irrigation supply and frac solution.

12 Inch Layflat Hose



The 12 inch layflat hose is a DN300 TPU hose used for high volume water transfer in agriculture, firefighting, oil and gas and general industry. The through-the-weave TPU wall gives it the toughness to be dragged and reeled repeatedly, and 200 m lengths make long runs practical. A Canadian customer visited our plant to audit the production process before placing a 12 inch layflat hose order.

Specification	Value
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Cover and Liner	High quality TPU
Reinforcement	High tenacity synthetic yarn
Color	Black or as required
Size	12 inch(DN300)
Length	200m(660ft) or as required
Temperature	-50°C■+80°C(-60°F to 176°F)

Features

High pressure, Abrasion resistant, Extremely tough, Oil and chemicals resistance, Fast deployment and retrieval, Excellent flow rates, Long service life.

Applications

Long-distance water supply in fire fighting, emergency water removal during floods, industrial large volume water discharge, irrigation supply and frac solution.

10 Inch Layflat Hose



The 10 inch layflat hose is a DN250 TPU hose designed to be transported, stored and deployed quickly, which is what makes it the usual choice for emergency response, irrigation and water transfer projects. The through-the-weave TPU construction bonds cover and lining firmly to the polyester weave, so the wall does not delaminate under repeated reeling. Lengths are 200 m in black.

Specification	Value
Cover and Liner	High quality TPU
Reinforcement	High tenacity synthetic yarn
Color	Black or as required
Size	10 inch(DN250)
Length	200m(660ft) or as required
Temperature	-50°C■+80°C(-60°F to 176°F)

Features

High pressure, Abrasion resistant, Extremely tough, Oil and chemicals resistance, Fast deployment and retrieval, Excellent flow rates, Long service life.

Applications

Long-distance water supply in fire fighting, emergency water removal during floods, industrial large volume water discharge, irrigation supply and frac solution.

8 Inch Layflat Hose



The 8 inch layflat hose is a DN200 TPU hose for long-distance water supply in firefighting, emergency flood removal, industrial bulk discharge and frac solution transfer. At DN200 with 200 m lengths it is the size that most field water transfer fleets build around: enough flow for serious duty, light enough to reel and move with a standard truck. Colour is black, rated -50°C to 80°C.

Specification	Value
Cover and Liner	High quality TPU
Reinforcement	High tenacity synthetic yarn
Color	Black or as required
Size	8 inch(DN200)
Length	200m(660ft) or as required
Temperature	-50°C■+80°C(-60°F to 176°F)

Features

High pressure, Abrasion resistant, Extremely tough, Oil and chemicals resistance, Fast deployment and retrieval, Excellent flow rates, Long service life.

Applications

Long-distance water supply in fire fighting, emergency water removal during floods, industrial large volume water discharge and frac solution.

Layflat Supply Hose



The layflat supply hose is our TPU discharge and supply hose made by the extrusion through-the-weave method, which bonds cover to lining and firmly encapsulates the woven polyester. That bond is what lets it work at high pressure over long distance water supply, emergency flood removal, large volume industrial discharge and frac solution transfer. Sizes are 8 to 16 inch in 200 m lengths, red or black.

Specification	Value
Cover and Liner	High quality TPU
Reinforcement	High tenacity synthetic yarn
Color	Red, black or as required
Size	8 inch-16 inch
Length	200m(660ft) or as required
Temperature	-50°C■+80°C(-60°F to 176°F)

Features

High pressure, Abrasion resistant, Extremely tough, Fast deployment and retrieval, Excellent flow rates, Long service life.

Applications

Long-distance water supply in fire fighting, emergency water removal during floods, industrial large volume water discharge and frac solution.

Layflat Drinking Water Hose



The layflat drinking water hose is a food grade TPU pipeline for emergency and temporary potable water delivery at high working pressure. It is light, abrasion resistant and deploys far faster and more safely than rigid pipe, which is what matters when clean water has to reach people quickly. Sizes are 2 to 12 inch in 200 m lengths, in light green, rated -50°C to 80°C.

Specification	Value
Cover and Liner	High quality food grade TPU
Reinforcement	High tenacity synthetic yarn
Color	light green or as required
Size	2 inch-12 inch
Length	200m(660ft) or as required
Temperature	-50°C■+80°C(-60°F to 176°F)

Features

High abrasion and kink resistance, High pressure, UV resistance, High flow, Safe and quick installation, Long life time.

Applications

Emergency potable water supply, water bypass, army and ship drinking water supply.

Fuel Transfer Hose



The fuel transfer hose moves oil, fuel, chemicals and waste water. Antistatic material is compounded into the polyurethane and several copper wires run through the reinforcement layer to the coupling, so static generated by flowing fuel has a path to earth. Sizes are 2 to 8 inch in 200 m lengths, green, rated -50°C to 80°C.

Specification	Value
Cover and Liner	High quality TPU
Reinforcement	High tenacity synthetic yarn(With copper wires available inside to be anti-static)
Color	green or as required
Size	2 inch-8 inch
Length	200m(660ft) or as required
Temperature	-50°C■+80°C(-60°F to 176°F)

Features

Antistatic, High pressure, Oil and chemicals resistance, UV resistance, Safe and easy linstallation, Long service time.

Applications

Temporary oil and fuel transfer, army and ship fuel(oil) supply, hydraulic fracturing.

Boreline Hose



Boreline hose is a high pressure, high tensile strength layflat hose for underground water pumping. TPU is integrated into a woven high tenacity polyester fabric, and the cover carries blue polypropylene cable ties or polyurethane straps so the rising main and the pump cable travel together. Against rigid pipe it is far easier to install and retrieve down a bore. Sizes are 1.5 to 8 inch in 200 m lengths.

Specification	Value
Cover	High quality TPU with blue polypropylene cable ties or polyurethane straps
Reinforcement	High tenacity synthetic yarn
Liner	High quality TPU
Color	Blue or as required
Size	1.5 inch-8 inch
Length	200m(660ft) or as required
Temperature	-50°C■+80°C(-60°F to 176°F)

Features

High pressure, High tensile strength, Oil and chemicals resistance, UV resistance, Corrosion resistance, Easy to install and retrieve, Long lifetime and excellent flow rates.

Applications

Mine dewatering, bore water pumping, irrigation/agriculture, groundwater extraction – drinking water.

Mine Dewatering Hose



Mine dewatering hose is a high pressure TPU layflat hose built to remove large volumes of water from a mine quickly and safely. It is made from high tenacity synthetic yarns with TPU extruded through the weave, giving an extra tough wall that survives being dragged over aggressive underground surfaces. Sizes are 4 to 12 inch in 200 m lengths, blue, rated -50°C to 80°C.

Specification	Value
Cover and Liner	High quality TPU
Reinforcement	High tenacity synthetic yarn
Color	Blue or as required
Size	4 inch-12 inch
Length	200m(660ft) or as required
Temperature	-50°C■+80°C(-60°F to 176°F)

Features

High pressure, Abrasion resistance, Oil and chemicals resistance, UV resistance, Easy to transport, Long lifetime, Reliability and safety.

Applications

Dewatering in Mines or emergency rescue.

Drag Hose



Drag hose is a TPU layflat hose used to transfer sludge, slurry and liquid manure continuously across an irrigation field, while being dragged behind the applicator. That duty is unusual: the hose is under tension and abrasion at the same time as it is under pressure. It is made in 4 to 6 inch in 200 m lengths, orange, rated -50°C to 80°C.

Specification	Value
Cover and Liner	High quality TPU
Reinforcement	High tenacity synthetic yarn
Color	Orange or as required
Size	4 inch-6 inch
Length	200m(660ft) or as required
Temperature	-50°C■+80°C(-60°F to 176°F)

Features

Flexibility, Abrasion resistance, Great adhesion, High tensile strength, UV, Oil and chemical resistance.

Applications

Transfer sludge, slurry and liquid manure in agricultural irrigation field.

Fracking Hose



Fracking hose is a high pressure TPU layflat hose for transferring large volumes of frac water and produced water in oil and gas. It is built to survive the harshest field environments with a long service life and low maintenance, and it transports and deploys far more easily than rigid line pipe. Sizes are 8 to 16 inch in 200 m lengths, black. Copper wires can be run inside for anti-static duty.

Specification	Value
Cover and Liner	High quality TPU
Reinforcement	High tenacity synthetic yarn
Color	Black or as required
Size	8 inch-16 inch
Length	200m(660ft) or as required
Temperature	-50°C■+80°C(-60°F to 176°F)

Features

High pressure, Abrasion resistance, Oil and chemicals resistance, UV resistance, Easy to deploy, Long service life and excellent flow rates.

Applications

Frac water or produced water transfer in oil and gas industry.