

## FLATOIL - 10

HOSES › Hydrocarbon delivery hoses

### Flat flexible hose for fuel and oil drain in extruded TPU

- Specially designed for transporting fuel and oil
- Premium, leak-free hose for extreme UV and ozone conditions
- Fully Anti-Static: 4-wire grounding to help prevent static electricity buildup
- Complies with MIL - PRF - 370 Type C for military use

### Color:



Tan coverage is the standard. Other colors available on request (NATO green also available).

### Applications:

Designed and recommended for fuel and oil transfer operations in refineries, maritime industry, chemical plants and military installations. Ideal for brackish and sea water transfer, ship-to-shore unloading, ship-to-ship refueling, bulk fuel unloading/loading, tank-to-tank transfer, aircraft refueling and fuel delivery to domicile.

### Construction:

Made from circularly woven 100% high tenacity synthetic yarn, fully protected and blocked by a tough and highly resistant thermoplastic polyurethane extruded through the weave, forming a single homogeneous construction without the use of glues or adhesives.

Includes 4 electrical wires protected with a polyester braided sheet to help prevent static electricity buildup. The construction of the tube does not allow corrosion or scaling, while still providing high resistance to abrasion and cuts. Easy handling, storage and transportation, allowing for quick installation and recovery. Maximum hose elongation of 2% and maximum hose expansion of 10%.

### Coating Properties:

Maximum tensile strength of the coating: minimum guaranteed value of 5,800 psi (40 MPa). Final elongation: minimum 500%.

### Lengths:

Standard lengths 100m and 200m. Longer lengths may be available upon request.

### Abrasion resistance:

The hose will extend application life in extreme conditions, where abrasion is the primary concern. Thermoplastic polyurethane is considered the most abrasion resistant elastomeric material.

### Service temperature range:

From -50°C to 65°C with peaks up to 80°C. Special versions for higher and lower temperatures available on request.



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## Ozone resistance:

No visible signs of cracking will appear due to the ozone.  
Excellent resistance to atmospheric agents and UV rays.

## Chemical resistance:

Exposure to seawater and contamination by most chemicals, hydrocarbons, oils and greases has no effect on the short or long term performance of the hose. A chemical resistance table is available. We can provide chemical resistance data when requested by the purchaser for specific applications.

Diameter nominal	Thickness of wall	Pressure Of exercise	Burst pressure	Tensile strength	Weight
mm	mm	Cafe	Cafe	Kg	Kg/m
52	1.9	10.5	42	5.20	0.39
65	2.2	10.5	42	5.20	0.52
76	2,3	10.5	42	7.40	0.64
90	2.6	10.5	42	6.80	0.85
102	2.7	10.5	42	9.40	1.00
152	3.2	10.5	42	5.70pm	1.75