Hoses for distribution and refuelling of fuels and oils

FUELMAN

Flat delivery hose for fuels and liquid hydrocarbons

Hose material: polyurethane (PU) pressed into braid in the hose extrusion process

Operating temp: -50°C to +50°C

A robust, abrasion-resistant delivery hose designed specifically for the transfer of fuels, other liquid hydrocarbons or for use as a general purpose anti-static hose. Lighter and more flexible than standard rubber hoses, it has buoyancy (stays afloat) in fresh and salt water. Flat when at rest for easy handling and storage. Designed for the transfer and handling of petrochemicals, oils and fuels in refineries, industry and transport. Used for ship refuelling, tank cleaning, fire and military applications. **Meets MIL-PRF-370J standard for liquid fuel hoses.**

The hose is constructed from a high-strength synthetic braid, fully pressed into a polyurethane compound. **Antistatic - has two external longitudinal copper cords to ensure electrical continuity between hose ends easily accessible for correct connection to ends (R < 0.02 Ω/m, exceeds MIL-PRF-370J requirements).** Internal surface of the hose smooth, no flow loss. Resistant to abrasion, weathering, hydrolysis, ozone, fuels and commonly used chemicals (recommended pH range: 5 ÷ 9). Resistant to longitudinal loads during unwinding and pulling.

Verification of chemical resistance: PU chemical resistance table (pre-selection), manufacturer's PU resistance table (available from Tubes International, pre-selection), confirmation of resistance and conditions of use by Tubes International.

index	internal diameter [mm]	wall thickness [mm]	external diameter [mm]	working pressure * [bar] fuel / water	Bursting pressure [bar]	mass [kg/m]	Roll length [m]	Hose breaking load (design) [kG].
MR-FUELMAN-051	$51,0^{+2,0}$	3,2	57,4	15,5 / 31	62	0,7	200	4600
MR-FUELMAN-065	$65,0^{+2,0}$	2,6	70,2	12,5 / 25	50	0,64	200	6500
MR-FUELMAN-076	$76,0^{+2,0}$	2,8	81,6	12 / 24	48	0,78	200	7900
MR-FUELMAN-102	$102,0^{+2,5}$	3,0	108,0	9 / 18	36	1,16	200	10100
MR-FUELMAN-152	$152,0^{+3,0}$	3,7	159,4	11,25 / 22,5	45	2,00	200	21000
MR-FUELMAN-203	$203,0^{+3,0}$	4,2	211,4	10,5 / 21	42	3,20	200	37000
MR-FUELMAN-254	$254,0^{+3,0}$	4,3	262,6	9 / 18	36	4,10	200	46000
MR-FUELMAN-305	$305,0^{+5,0}$	4,5	314,0	7,5 / 15	30	5,05	200	54500

* Working pressure for fuel: 25% of burst pressure (safety factor 4:1); working pressure for water and other non-flammable and non-hazardous substances: 50% of burst pressure (safety factor 2:1). The operating pressure of the fittings must be taken into account.