



**HITEMP305 (FROM SIZE 3/4" TO 12")
HIGH TEMPERATURE SUCTION & DISCHARGE HOSE
EN 13765:2018 TYPE 4**

Temperature Range	-40°C (-40°F) to +200°C (+392°F)		
Code	HITEMP305ZZ	HITEMP305XZ	HITEMP305XX
Inner Wire	Galv. Steel	St. Steel	St. Steel
Outer Wire	Galv. Steel	Galv. Steel	St. Steel
Cover	Black		

Size (I.D)		Working Pressure		Safety Factor	Bending Radius EN ISO 1746		Weight Kg/mt	Max. Length	
mm	inch	bar	psi	ratio	mm	inch	kg/mt	mt.	feet
20	3/4"	15	200	5:1	75	3"	0.86	40	132
25	1"	15	200	5:1	100	4"	1.23	40	132
32	1 1/4"	15	200	5:1	125	5"	1.49	40	132
40	1 1/2"	15	200	5:1	140	5 1/2"	1.77	40	132
50	2"	15	200	5:1	180	7"	2.38	40	132
65	2 1/2"	15	200	5:1	220	8 1/2"	3.48	40	132
75	3"	15	200	5:1	280	11"	4.28	40	132
100	4"	15	200	5:1	400	16"	7.05	40	132
150	6"	15	200	5:1	525	23"	17.30	40	132
200	8"	15	200	5:1	800	32"	24.40	40	132
250	10"	15	200	5:1	1000	40"	27.80	25	82
300	12"	15	200	5:1	1200	48"	36.70	25	82

Application: **SUNFLEX® HITEMP 305** is specifically designed as an hose for the transfer of **HOT OIL and BITUMEN** under positive or negative pressures, **HITEMP 305** hose are used in such applications as transfer for rail and road tanker loading and unloading, storage tank and in-plant use. Extremely flexible, easy to handle and bend, even at very high or very low outdoor temperatures. All hoses are 100% aromatic resistant, antistatic and can be used for suction or discharge. Vacuum rating is 0,9 bar, according to the EN ISO 7233 method B. Thanks to the inner PTFE **NANOTEC®** construction, nothing sticks to the inner wall of the hose, and due to absence of inner corrugations or convolutions, (smooth body), nothing will remain trapped in it.

Construction: **SUNFLEX® HITEMP 305** is a multi-layer thermoplastic hose designed around several Fluoropolymer liners, supported by a Stainless Steel inner wire, and reinforced with films and fabrics specifically designed for high temperature applications. All the different layers are wrapped together and tensioned between internal and external wire spirals.

SUNFLEX HITEMP 305 utilizes the new PTFE laminate film **NANOTEC®**, obtained with the latest and highest standard of Nanotechnology, ensuring unique mechanical strength and ZERO porosity, **NANOTEC®** technology is a Patented Design exclusive and unique, belonging to MATEC GROUP. Includes in the construction an FEP seamless tubular extruded film, to avoid any possible leak and guarantee a gas-tight construction

Outer cover is made in **ELASTAR**, a special High temperature resistant PU coated fabric; its UV, Ozone, Sunlight and weathering resistance, offers as well superior abrasion resistance characteristics.

Available in 40 mt coils from 3/4" to 4" and 25 mt length up to 12".

SUNFLEX® assemblies are tested in accordance with EN ISO 1402. The securing ferrule is permanently engraved, with hose data, in compliance with PED Directive (97/23/ CE). The electric resistance of hose assemblies is less than 1/mt ohm, as required by EN ISO 8031.