OROFLEX 20 AIR

Applications: Suitable for use and recommended for INDUSTRIAL an AGRICULTURE applications in:

Compressed air delivery
Water discharge applications
Refineries & chemical plants-(Resists Aromatics)

Not recommended or approved for fire fighting.
However, " **ARMTEX & BLINDEX "** hoses with similar characteristics are recommended

Construction: Hose is made from 100% high tenacity synthetic yarn circular woven and completely protected and locked-in by tough highly resistant synthetic nitrile rubber, forming

Lining Properties:

a. Ultimate Tensile Strength:
   Tensile strength of the lining and cover shall not be less than 1500 psi (10,500 kpa).
b. Ultimate Elongation:
   400% minimum.
c. Accelerated Aging Test:
   The tensile strength and ultimate elongation of the vulcanized rubber compound which has been subjected to the action of oxygen at a pressure of 300 psi +/- 10 psi , (2100kpa +/- 70kpa) and temperature of 70 degrees centigrade +/-1 degree centigrade (158 F +/- 18 F) for a period of 96 hours shall be , greater than 60% of the original

Nominal Ø*		Working Pressure		Burst Presure	T.Strenght**	Weight	Thickness	B.Radius at WP
Inch	mm	AIR [psi]	WATER [psi]	psi	lbs	gr /m	inch	inch
3/4	19	240	400	1200	3779	0,121	0,079	26
1	26,5	240	400	1200	4724	0,168	0,091	35
1 1/2	38	175	300	900	7559	0,302	0,102	43
1 3/4	45	175	300	900	8819	0,370	0,106	50
2	52	175	300	900	9448	0,430	0,110	51
3	76	150	250	750	16377	0,638	0,126	57

* Dimensional tolerance = Nominal Diameter + 0.080" minimum
** Figures represent Total theoretical tensile Strength. End Pull should not be higher than 35% of this value

Temperature range:
-4ºF to +176ºF (-20ºC to +80ºC). Intermitent use at 212ºF can be accepted if hose is properly assembled and secured with a wipcheck system.

Abrasion Resistance:
In very extreme conditions where abrasion is the most serious concern OROFLEX 20 would extend hose life.

Ozone Resistance:
Hose shall show no visible signs of cracking of the lining or cover when tested in accordance with ASTM D1149-64 (R1970), ASTM D518 Procedure B, 100pphm/118 F/70 hours.

Chemical Resistance:
Exposure to seawater and contamination by most chemical substances, hydrocarbons, oils, alkalis, acids and greases must have no effect on the short or long term performance of the hose. A chemical resistance chart is available and TIPSA will supply specific chemical resistance data on request of purchaser for unique applications.

Heat Resistance:
The hose when subjected to a static pressure of 100 psi (700 kpa) shall be capable of withstanding a surface temperature of 1200 F for a minimum of two minutes without rupture or damage to the synthetic reinforcement

Repairability:
Cover damage, small holes and punctures are repairable with use of ***REPOKIT*** and Vulcanizer. Full instructions for use supplied on request.

Color:
Black and Ocre (Yellow), special orders in other colors, all with ribbed cover

Couplings:
As required by purchaser, Camlock , Ear lock , Short shank , Victaulic ETC..

Lengths:
Standard 50' (15m), 100' (30m), 200' (60m). Special lengths up to 660' (200m)

TIPSA reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised that special diameters or construction characteristics can be produced on special request and you are requested to contact your local dealer or TIPSA at our email address.
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