







HDS SAE100R14B

HIGHLY CHEMICAL RESISTANT ANTISTATIC PTFE LINER



											
ID		OD		Max W.P.		Burst Pressure		Bend Radius		Weight	
Dash	Inch	DN	mm	bar	psi	bar	psi	mm	kg/m		
4	3/16	5	7.65	240.0	3492	960	13968	45	0.078		
5	1/4	6	9.25	195.0	2837	780	11349	60	0.110		
6	5/16	8	10.90	165.0	2401	660	9603	70	0.136		
8	3/8	10	12.70	142.5	2073	570	8294	80	0.166		
10	1/2	12	15.60	112.5	1637	450	6548	130	0.210		
12	5/8	16	19.10	97.5	1419	390	5675	163	0.280		
	3/4	19	22.05	82.5	1200	330	4802	180	0.327		
	1	25	28.80	60.0	873	240	3492	230	0.524		

APPLICATIONS:

Excellent chemical resistance and low permeability means our R14 hose can be used on a very wide range of fluids and gasses. With -4, -6, and -8 coming standard with 316SS braid*, the corrosive environments in which our hose can be used extend even further.

*All other sizes available with 316SS braid on special order. All 316SS braid comes with 3.1 material certs. Standard braid is 304 grade SS.

TEMPERATURE AND PRESSURE:

Our R14 hose can be used in applications where temperatures range from -55° to 130° without the need for a pressure de-rating.

Above 130°C the pressure must be reduced 0.75% for each 1°C above 130°C

For example: at 180°C, reduce the MPW by $(180-130) \times 0.75 = 37.5\%$

Pressure Ratings above 100 Bar (1500 psi) only apply for the transfer of non-penetrating fluids. If gases or penetrating fluids are used at higher pressures, contact HDS Hoses.

HDS PTFE hose is permissible to use at a 3:1 safety factor if you do not require the SAE 100R14 rating. Should you only require a 3:1 SF the max WP listed above can be multiplied by 1.33 get the WP at 3:1 SF

TUBE: Carbon impregnated PTFE

REINFORCING/COVER: Single braid of stainless steel

STANDARDS: Meets or exceeds SAE100R14 (B) and AS 3791 100R14(B). The "B" denotes antistatic tube.

APPROVALS:

SAE J1737 - Approved for automotive fuel hose use in accordance with SAE J1737

AS Grade PTFE tube liners are manufactured from FDA 21 CFR 177.1550 approved PTFE, and less than 2.5% of "high purity" Carbon Black material to FDA requirement 21 CFR 178.3297. The carbon is encapsulated by the PTFE, and in normal, non-abrasive applications will not come loose to contaminate any fluid passing through.

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