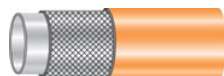


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ISOLATOR RT7N

Meets or exceeds the performance requirements (including electrical non-conductivity tests) of SAE 100R7, AS 3791 100R7, EN 855 Type R7.

Recommended For:

High pressure hydraulic oil lines where electrical non-conductivity is required (for use in applications where there is potential for contact with high voltage sources).

Suitable for use with mineral, vegetable and most ester based hydraulic fluids.

Heat and hydrolysis stabilised for use with water based hydraulic fluids up to +70°C (+158°F).

Smooth inner tube for high flow rate; and smooth, easily cleaned cover.

The polyester reinforcement gives RT7N Hose excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

Electrical Non-Conductivity:

Meets non-conductivity requirements of SAE 100R7, AS 3791 100R7, EN 855 Type R7 (maximum leakage does not exceed 50 µA when subjected to 75 kV/305 mm or 250 kV/M for 5 minutes). Incorrect storage and use, particularly that leading to oil or moisture entering the reinforcement, may adversely affect electrical properties.

Tube:

White, oil resistant seamless thermoplastic (Polyester).

Reinforcement:

One or two braids of synthetic yarn (Polyester).

Cover:

Orange, oil and abrasion resistant thermoplastic (Polyurethane). Cover is unperforated.

Temperature Range:

From -40°C to +95°C (-40°F to +203°F).

Working Pressure:

Maximum working pressures are based on 4:1 safety factor (minimum burst to maximum working pressure).

Couplings:

BITELOK NON-SKIVE ONE-PIECE CRIMP
T400 Series (sizes -4 to -12) [click to view](#)
Assembly Instructions [click to view](#)

Hose Working Pressures

1 BAR = 14.5 PSI 1 MPA = 10 BAR

PART NO	HOSE SIZE ID			MAX. DYNAMIC WORKING PRESSURE		MIN. BURST PRESSURE	
	DN	INCH	DASH	BAR	PSI	BAR	PSI
RT74N	6	1/4	-04	190	2750	760	11000
RT76N	10	3/8	-06	155	2250	620	9000
RT78N	12	1/2	-08	138	2000	552	8000
RT712N	19	3/4	-12	86	1250	345	5000

Hose Dimensions

Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		BITELOK ONE PIECE CRIMP
	MM	INCH	KGS/M	LBS/FT	MM	INCH	NON-SKIVE
RT74N	100	4.0	0,09	0.06	12,6	0.50	T400 SERIES
RT76N	125	5.0	0,15	0.10	16,5	0.65	T400 SERIES
RT78N	178	7.0	0,22	0.15	20,6	0.81	T400 SERIES
RT712N	240	9.5	0,33	0.22	26,7	1.05	T400 SERIES

Contact RYCO Hydraulics for Crimp Diameter and Mark Length for BITELOK Couplings.