

SMOOTHBORE PTFE HOSE

MEDIUM PRESSURE

R105 NON-CONDUCTIVE HOSE



R105 HOSE

APPLICATIONS:

- Compressed gas
- Fuel and lubricant handling
- Steam transfer
- Hydraulic systems

TEMPERATURE RANGE:

- -65°F to 400°F (-54°C to 204°C) for continuous service
- -100°F to 500°F (-73°C to 260°C) for intermittent service

STANDARDS:

- Meets or exceeds requirements of SAE 100R14
- PTFE meets FDA 21 CFR 177.1550
- **VACUUM SERVICE:**
- Sizes -4 through -10 are rated for full vacuum
- Larger sizes -12 and above can be reinforced with an internal support spring for full vacuum service

AVAILABILITY:

Medium pressure smooth bore PTFE in R105 series can be fitted and tested to your exact specification. Kord Industrial is certified to fabricate and distribute 100R14 smooth bore R105 series in either bulk or assembly form.

Rapid response and same day shipping is always available from a large on-site inventory.

Applications centering on the transfer of fluids or gases under demanding conditions in harsh environments are opportunities for the user to realize the value of Titeflex.

Innovative PTFE technology by Titeflex satisfies the demanding aerospace, automotive, and industrial applications.

The driving force is Titeflex commitment to safety, quality, value, and reliability.

Modern quality production and customer satisfaction make Titeflex the leading PTFE hose producer

HOSE CONSTRUCTION:

- Innercore vertically extruded to maintain highest quality of concentricity
- Manufactured from fine virgin PTFE
- 304 stainless steel wire braid reinforcement

END FITTING ATTACHMENTS:

R105 series standard hose fitting selections include male pipe, JIC female swivel, compression tube end (tube stub) in multiple lengths, female pipe, SAE swivel and sanitary tri-clamps.

Fitting material includes plated steel, brass and 304/316 SS.

The hose ends are permanently attached by either swaging or crimping, depending on end style selected.

Please see Hose End Catalog for complete fitting selection and specifications.

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R105 .040 WALL NON-CONDUCTIVE HOSE

Hose Part Number	Nominal Size	Average ID	Average ID	Average OD	Operating Pressure Room Temp	Burst Pressure Room Temp	Minimum Bend	Hose Weight
	in	in	mm	in	psi	psi	in	lb/ft
R105-4	1/4	.188	4.8	.323	3,000	12,000	2.00	.08
R105-5	5/16	.250	6.4	.386	3,000	12,000	2.50	.09
R105-6	3/8	.313	8.0	.451	2,500	10,000	4.00	.11
R105-8	1/2	.410	10.4	.566	2,000	8,000	4.60	.14
R105-10	5/8	.504	12.8	.665	1,500	6,000	5.50	.19
R105-12	3/4	.636	16.1	.795	1,200	4,800	6.50	.23
R105-16	1	.879	22.3	1.060	1,000	3,200	9.00	.30