

83FR DuraGard™ Hose

Flame Resistant Hose is Weld Spatter Resistant



Parflex 83FR with DuraGard™ represents Parker's most durable abrasion resistant/flame retardant multi-purpose hose. With MSHA approval, the rugged 83FR cover is made of high quality, flexible polyurethane, providing the ultimate in abrasion and weld-spatter resistance.

This tough, flame-resistant hose combines superior design with quality materials to deliver reliable, lasting performance. Although lightweight, the hose features strong, bonded construction, providing excellent kink resistance while minimizing hose fatigue. For your convenience, the economical 83FR offers easy assembly with Parker's vast selection of Push-Lok and crimp fittings and is available in a variety of cover colors and continuous long lengths.

DuraGard™ hose is found on automotive robotics, such as robotic welding machinery, as well as general power tools and shop air lines. When your application calls for a tough, durable, flame-resistant hose, Parflex 83FR with DuraGard™ is exactly what you need.



Contact Information:

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Product Features:

- Weld spatter resistant
- Excellent abrasion resistance
- Extreme flexibility
- Compact bend radius
- Specially formulated polyurethane tube
- Twin-line or multi-line constructions available



ENGINEERING YOUR SUCCESS.

83FR – DuraGard™ General Purpose Polyurethane



Certifications

- MSHA Accepted
- Non-conductive per SAEJ343 test procedures for thermoplastic hose
- UL94HB compliant

Applications/Markets



- General purpose air and water hose often used in robotic welding applications

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series	PushLok Fitting*
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.		
#												
83FR-4	1/4	6	.48	12	300	2.1	1.00	25	.05	.07	56	82*
83FR-6	3/8	10	.60	15	300	2.1	2.00	51	.08	.11	56	82*
83FR-8	1/2	13	.76	19	300	2.1	2.50	64	.12	.17	56	82*
83FR-12	3/4	19	1.04	26	300	2.1	3.50	89	.19	.28	56	82*

Construction

Tube: Specially formulated polyurethane

Reinforcement: Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

- -20°F (-29°C) to +200°F (93°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

56 Series

82 Series – (*82 Series Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Colors

- Black (BLK)
- Blue (BLU)
- Brown (BRN)
- Green (GRN)
- Gray (GRA)
- Red (RED)

Notes

- *Temperature and pressure reduced with 82 series Push-Lok Fitting:
-20°F to +145°F (-29°C to +63°C)
175 psi maximum working pressure
- For -4 hose with 56 Series, use die P04J
- Non-perforated cover