

RF-TPR

Thermoplastic Rubber Tubing

RF-TPR – Natural FDA 64A Durometer

ID (IN.)	OD (IN.)	STANDARD LENGTH (FT.)	LBS. PER 100 FT.	PART NO.
1/8	1/4	50	1.55	RF250246
3/16	5/16	50	2.06	RF250414
1/4	3/8	50	1.15	RF250582
1/4	1/2	50	6.19	RF250638
5/16	7/16	50	3.09	RF250694
3/8	1/2	50	3.61	RF250862
3/8	5/8	50	8.26	RF250974
1/2	5/8	50	4.65	RF251198
1/2	3/4	50	10.32	RF251310
5/8	7/8	50	12.39	RF251646
3/4	1	50	14.45	RF251926

RF-TPR – Natural FDA 80A Durometer

ID (IN.)	OD (IN.)	STANDARD LENGTH (FT.)	LBS. PER 100 FT.	PART NO.
1/8	1/4	50	1.55	RF256014
3/16	5/16	50	2.06	RF256182
1/4	3/8	50	1.15	RF256350
1/4	1/2	50	6.19	RF256406
5/16	7/16	50	3.09	RF256462
3/8	1/2	50	3.61	RF256630
3/8	5/8	50	8.26	RF256742
1/2	5/8	50	4.65	RF256966
1/2	3/4	50	10.32	RF257078
5/8	7/8	50	12.39	RF257414
3/4	1	50	14.45	RF257638

RF-TPR – Black Industrial 64A Durometer

ID (IN.)	OD (IN.)	STANDARD LENGTH (FT.)	LBS. PER 100 FT.	PART NO.
1/8	1/4	50	1.55	RF250228
3/16	5/16	50	2.06	RF250396
1/4	3/8	50	1.15	RF250564
1/4	1/2	50	6.19	RF250620
5/16	7/16	50	3.09	RF250676
3/8	1/2	50	3.61	RF250844
3/8	5/8	50	8.26	RF250956
1/2	5/8	50	4.65	RF251150
1/2	3/4	50	10.32	RF251292
5/8	7/8	50	12.39	RF251628
3/4	1	50	14.45	RF251852

Physical Properties*

* Values listed are typical and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

^ Minimum Recommended Operating Temperature for TPR is -60°F and the Maximum Recommended Operating Temperature is 275°F

Hardness, Shore A @ 77°F, ±5
Tensile Strength @ 77°F, psi
Elongation at Break, %
Tear Strength @ 77°F, %
Compression Set % @
77°F after 22 hrs.
212°F after 22 hrs.
Brittle Temperature, °F^

	Natural FDA 64A	Natural FDA 80A	Black Ind. 64A
Hardness	64	80	64
Tensile Strength	1000	1600	1000
Elongation at Break	400	450	400
Tear Strength	10	20	10
Compression Set @ 77°F	22	27	22
Compression Set @ 212°F	34	39	34
Brittle Temperature	<-76	-81	<-76

- Made of **first-quality, polypropylene-based, thermoplastic rubber (RF-TPR)**
- **Outstanding compression characteristics and toughness for peristaltic pump uses**
- **Flexible to temperatures approaching -80°F**
- **Available in both FDA & industrial grades**
- Natural 80A material is listed by the National Sanitation Foundation (NSF-51)*

Thermoplastic rubber combines the processability of plastics with the flexibility and durability of rubbers, while more light weight and formable.

RF-TPR offers **excellent resistance to flex fatigue and tearing**, making it an **ideal choice for peristaltic pump applications**. The FDA material is suitable for a variety of clean uses and is autoclavable to ensure cleanliness.

RF-TPR is now offered in two grades to meet specific applications. FDA grade may be selected from two available durometers — **64A or 80 A** — to meet specific user requirements.

Black industrial-grade 64A RF-TPR offers good resistance to U.V., ozone, chemicals, and other fluids. It is well suited for outdoor use, and handles applications where oil may splash onto the tubing.

*Other durometers with and NSF listing are available as a custom item (please call for details).

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