

Q-200E, Q-200E(TW)

RoHS
Compliant

200°C, VERY FLEXIBLE
MODIFIED FLUOROELASTOMER TUBING (Viton®)
SHRINK RATIO 2:1

Features/Applications

Q-200E is made from modified fluoroelastomer with superior impact, abrasion and cut-through resistance. Used for applications requiring high resistance to corrosive fluids, fuels, lubricants, acids and solvents at elevated temperatures. Very flexible at high and low temperatures without cracking.

- Operating temperature: -55°C to +200°C
- Minimum shrink temperature: 150°C
- Full recovery temperature: 175°C
- Approval:  File No. E245010
- Meets: SAE-AMS-DTL-23053/13
- Standard Color: Black
- RoHS Compliant



Technical Data

Property	Test Method	Typical Data
Operating Temperature	IEC 216	-55°C to +200°C
Tensile Strength	ASTM D 2671	≥ 8.5 MPa
Elongation at Break	ASTM D 2671	≥ 250%
Elongation at Break After Aging	250°C, 168 hrs.	≥ 200%
Heat Shock	300°C, 4 hrs.	No cracking or dropping
Flexibility	ASTM D 412	≤ 13.8 MPa
Dielectric Strength	ASTM D 2671	≥ 7.9kV/mm
Volume Resistance	ASTM D 876	≥ 10 ⁹ Ω.cm
Copper Corrosion (175°C, 16 hrs.)	SAE-AMS-DTL-23053/13	No corrosion
Flammability	ASTM D 2671	Self-extinguish in 15 sec.

Product Dimensions

Size		As Supplied (mm)	After Recovered (mm)		Tubing Shape	Standard Spool *(SS) (Meter)	Cut to Length Pcs. *(QB)	
Inch	mm	Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (nom.)			Qty per bag	
							6"	48"

Q-200E Fluoroelastomer Tubing

1/8	3.2	3.2	1.6	0.76	Round	50	20	25
3/16	4.8	4.8	2.4	0.90	Round	50	16	25
1/4	6.4	6.4	3.2	0.90	Round	50	12	25
3/8	9.5	9.5	4.8	0.90	Round	50	8	25
1/2	12.7	12.7	6.4	1.10	Round	30	4	5
3/4	19.1	19.1	9.5	1.30	Round	30	2	5
1	25.4	25.4	12.7	1.65	Flat	30	1	5
1 1/2	38.1	38.1	19.1	1.90	Flat	15	1	5
2	50.8	50.8	25.4	1.90	Flat	15	1	5

Q-200E (TW) Fluoroelastomer Thin Wall Tubing

3/8	9.5	9.5	4.8	0.90	Round	50	8	25
1/2	12.7	12.7	6.4	0.90	Round	30	4	5
5/8	15.9	15.9	7.9	1.07	Round	30	4	5
3/4	19.1	19.1	9.5	1.07	Round	30	2	5
7/8	22.0	22.0	11.0	1.25	Flat	30	2	5
1	25.4	25.4	12.7	1.25	Flat	30	1	5
1 1/4	31.8	31.8	15.7	1.40	Flat	30	1	5
1 1/2	38.1	38.1	19.0	1.40	Flat	15	1	5
2	50.8	50.8	25.4	1.65	Flat	15	1	5

Notes:

1. * See Part Number Guide for standard packaging codes.
2. Special sizes, packaging, colors and cut pieces are available upon request.