



**MEDIUM WALL, POLYOLEFIN TUBING WITH BLACK MASTIC SEALANT
SHRINK RATIO 3:1**

Features/Applications

QRS tubing is mastic lined heat shrinkable tubing designed specially for protecting metal pipe joints, soil nails and any other connectors requiring environmental sealing. The radiation cross linked jacket provides effective mechanical protection and mastic layer provides excellent water and moisture proof.

- Operating temperature: -35°C to +110°C
- Minimum shrink temperature: 100°C
- Full recovery temperature: 120°C
- Standard color: Black
- RoHS Compliant
- Resistant to UV radiation
- High electrical insulation



Technical Data		
Property	Test Method	Typical Data
Operating Temperature	IEC 216	-35°C TO +110°C
Tensile Strength	ASTM D 2671	≥14 MPa
Elongation at Break	ASTM D 2671	≥ 400%
Density	ASTM D 792	1.05g / cm ³
Longitudinal Shrinkage	UL 224	0 to -10%
Eccentricity	ASTM D 2671	< 30%
Elongation at Break After Aging (150°C, 168 hrs.)	ASTM D 2671	≥ 300%
Dielectric Strength	IEC 243	≥20kV / mm
Volume Resistance	IEC 93	≥10 ¹⁴ Ω.cm
Copper Stability	ASTM D 2671	Pass
Resistance to Stress Cracking (50°C)	ASTM D 1693	No cracking
Cold Blend Test (-55°C, 4hrs.)	ASTM D 2671	No cracking

Thermoplastic Black Mastic Sealant for QRS		
Property	Test Method	Typical Data
Water Absorption	ISO 62	< 0.1%
Softening Point	ASTM D E8	80°C
Peel Strength to Stainless Steel	ASTM D 1000	50N / 25 mm
Copper Stability	ASTM D 2671	Non-corrosive
Resistance to Fungus and Decay	ISO 846	Pass

Product Dimensions					
Size (mm)	As Supplied (mm)	After Recovered (mm)		Tubing Shape	Standard Packaging Cut to Length Pcs. (QB) Qty per bag 48"
	Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (min)		
30/6	30	6	2.5	Round	5
33/8	33	8	2.5	Round	5
40/12	40	12	2.5	Round	5
55/20	55	20	2.0	Round	5
75/25	75	25	2.0	Round	5
95/30	95	30	2.0	Round	2
120/40	120	40	2.0	Round	2
140/50	140	50	2.3	Round	2
160/50	160	50	2.3	Round	2
180/66	180	66	2.5	Round	2
205/66	205	66	2.5	Round	1
235/70	235	70	2.5	Round	1
265/75	265	75	3.0	Round	1
300/85	300	85	3.0	Round	1
350/100	350	100	3.0	Round	1

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