

QR3, QRA3

RoHS Compliant

HEAVY WALL POLYOLEFIN TUBING WITH OR WITHOUT **HOT MELT ADHESIVE SHRINK RATIO 3:1**

Features/Applications

QR3 has properties of excellent insulation, environmental sealing and resistance to impact and abrasion. Designed for applications to seal and protect electrical and communication connections. Provides excellent mechanical protection to cable joints and terminations. 3:1 shrink ratio allows it to easily fit over irregular shapes and large connectors.

QRA3 is recommended for applications with light cable and wire harnesses that require waterproofing and protection of connector components and encapsulates and seals components within the tubing.

- Operating temperature: -55°C to +110°C
- Full recovery temperature: 120°C
- Standard color: Black, red
- RoHS Compliant

- · Resistant to UV radiation
- High electrical insulation
- Superior mechanical property



Typical Data	
+110°C	
1Pa	
Pa	
%	
%	
cm ³	
0%	
mm	
2.cm	
%	
3	
king	
i%	

Thermoplastic Adhesive for QRA3							
Property	Test Method	Typical Data					
Water Absorption	ISO 62	<0.2%					
Softening Point	ASTM D E28	85°C					
Peel Strength (PE)	DIN 30672	4N/cm					
Copper Stability	ASTM D 2671	Non-corrosive					
Resistance to Fungus and Decay	ISO 846	Pass					

Notes:

1. * See Part Number Guide for standard packaging codes.

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Special sizes, packaging, colors and cut pieces are available upon request.

Product Dimensions							
As Cumplied Standard							
	As Supplied (mm)	After Recov	vered (mm)		Packaging		
Size (mm)	Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (min.)	Tubing Shape	Cut to Length Pcs. *(QB) Qty per bag		
					48"		
QRA3, He	avy Wall	Tubing W		lelt Adhe	esive		
9/3	9	3	1.8	Round	20		
13/4	13	4	2.4	Round	20		
22/6	22	6	2.7	Round	20		
33/8	33	8	3.2	Round	20		
40/12	40	12	4.1	Round	20		
45/12	45	12	4.1	Round	15		
55/16	55	16	4.1	Round	15		
75/22	75	22	4.1	Round	15		
85/25	85	25	4.3	Round	15		
95/30	95	30	4.3	Round	15		
105/30	105	30	4.3	Round	15		
130/36	130	36	4.3	Flat	10		
160/50	160	50	4.3	Flat	10		
180/50	180	50	4.3	Flat	10		
200/60	200	60	4.3	Flat	10		
QR3, Heavy Wall Tub		ubing Wit	hout Hot	-Melt Ad	hesive		
9/3	9	3	1.8	Round	20		
13/4	13	4	2.4	Round	20		
22/6	22	6	2.7	Round	20		
33/8	33	8	3.2	Round	20		
40/12	40	12	4.1	Round	20		
45/12	45	12	4.1	Round	15		
55/16	55	16	4.1	Round	15		
75/22	75	22	4.1	Round	15		
85/25	85	25	4.3	Round	15		
95/30	95	30	4.3	Round	15		
105/30	105	30	4.3	Round	15		
130/36	130	36	4.3	Flat	10		
160/50	160	50	4.3	Flat	10		
180/50	180	50	4.3	Flat	10		
200/60	200	60	4.3	Flat	10		