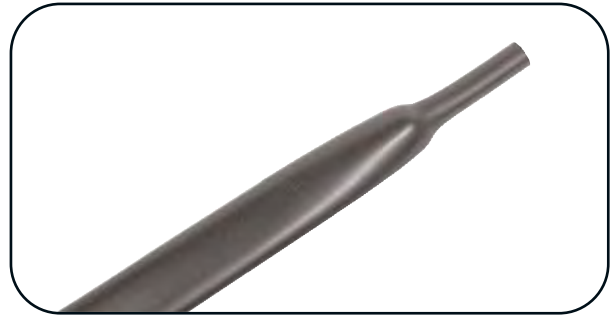


Part # R120

**Flexible Elastomeric Polyolefin
2 to 1 Ratio**



Specification Reference	
UL	○
VW-1	○
CSA	○
MIL Spec	● AMS-DTL-23053/16B

Replaces	
Raychem	DR-25(RT-1116)
3M/ECC	PSTH

Description	R120 is a heat-shrinkable flame retarded elastomer tubing specifically formulated for long term resistance to fluids, heat and mechanical abuse.
Uses	R120 is recommended for protecting cables and wire harnesses on military ground vehicles. It is ideal for a variety of applications requiring ruggedness and fluid resistance.
Operating Temp	-75°C, to +120°C.
Shrink Temp	150°C
Standard Put-up	Spool

	Property (units)	Test Method	Requirements
Physical	Tensile Strength (psi)	ASTM D638	1700 MIN.
	Elongation (%)	ASTM D638	250 MIN.
	Specific gravity	ASTM D792	1.5 MAX.
	Low temp. flex (-65°C)	AMS-DTL-23053	Pass
	Heat shock (200°C, 4 Hrs.)	AMS-DTL-23053	Pass
	Heat resistance, (150°C, 168 Hrs.)		
	Tensile stress (psi)	ASTM D638	1500 MIN.
	Elongation (%)	ASTM D638	200 MIN.
	Tensile Strength @ 100% elongation (psi)	ASTM D412	1500 MAX.
	Longitudinal change (%)	AMS-DTL-23053	±10
Electrical	Dielectric strength (volts/mil)	ASTM D876	300 MIN.
	Volume resistivity (ohm-cm)	ASTM D876	1.0 x 10 ¹⁰ MIN
Chemical	Corrosion, copper contact (121°C, 16 Hrs.)	AMS-DTL-23053	No Corrosion
	copper mirror (135°C, 16 Hrs.)	AMS-DTL-23053	No Corrosion
	Water absorption (%)	ASTM D570	2.0 MAX.
	Fluid resistance (23°C, 24 Hrs.) Tensile strength (psi)	AMS-DTL-23053	1500 MIN.
	Flammability	AMS-DTL-23053	Pass
	Shrink Temperature (nominal)		130° C

heatshrink.comTM

Wholesale Pricing on Full Spools/Bags

**Flexible Chlorinated
Polyolefin
2 to 1 Ratio**

R120 Part #

Inside Diameter Before Shrinking (minimum)		Inside Diameter After Shrinking (maximum)	Post Shrink Wall Thickness	Full Spool Length	Price:	Color Selection											
mm	inches	mm (inches)	mm (inches)	in feet	per spool per foot	BK	BR	RD	OR	YL	GN	BL	VI	GY	WH	CL	
						black	brown	red	orange	yellow	green	blue	violet	gray	white	clear	
3.2	1/8 0.125	1.5748 (0.062)	0.6858 (0.027)	500	\$722.50 \$1.70	●	X	X	X	X	X	X	X	X	X	X	
4.8	3/16 0.1875	2.3622 (0.093)	0.8382 (0.033)	200	\$353.60 \$2.08	●	X	X	X	X	X	X	X	X	X	X	
6.4	1/4 0.250	3.175 (0.125)	0.889 (0.035)	200	\$440.30 \$2.59	●	X	X	X	X	X	X	X	X	X	X	
9.5	3/8 0.375	4.7498 (0.187)	1.016 (0.040)	100	\$245.65 \$2.89	●	X	X	X	X	X	X	X	X	X	X	
12.7	1/2 0.500	6.350 (0.250)	1.2192 (0.048)	100	\$277.95 \$3.27	●	X	X	X	X	X	X	X	X	X	X	
19.1	3/4 0.750	9.525 (0.375)	1.400 (0.057)	100	\$370.60 \$4.36	●	X	X	X	X	X	X	X	X	X	X	
22.2	7/8 0.875	10.9982 (0.433)	1.651 (0.065)	100	\$439.45 \$5.17	◀	X	X	X	X	X	X	X	X	X	X	
25.4	1 1.000	12.700 (0.500)	1.778 (0.070)	100	\$554.20 \$6.52	●	X	X	X	X	X	X	X	X	X	X	
31.75	1-1/4 1.250	15.875 (0.625)		100	\$725.05 \$8.53	◀	X	X	X	X	X	X	X	X	X	X	
38.1	1-1/2 1.500	19.100 (0.750)	2.400 (0.094)	100	\$983.45 11.57	◀	X	X	X	X	X	X	X	X	X	X	
44.45	1-3/4 1.750	22.22 (0.875)		100	\$1,183.20 \$13.92	◀	X	X	X	X	X	X	X	X	X	X	
50.8	2 2.000	25.4 (1.000)	2.800 (0.110)	100	\$1,358.30 \$15.98	◀	X	X	X	X	X	X	X	X	X	X	

				
Lead Time: 1 day	Lead Time: up to 50 days	Lead Time: up to 100 days	Lead Time: up to 200 days	Not Possible

The above lead time guidelines are estimated only. They may be longer (not usually) or they may be shorter (typically). Regarding products with 100 & 200 day lead time; pricing may vary, and a minimum order with deposit may be required. Oh... and by the way, everything can change without notice and/or liability.