

Part # **D**

**Commercial Grade Semi-Rigid Polyolefin
2 to 1 Ratio**



	Specification Reference
UL	<input type="radio"/>
VW-1	<input type="radio"/>
CSA	<input type="radio"/>
MIL Spec	<input type="radio"/>

Replaces
No Equivalent Available

Description	D is a lightweight, semi-rigid, heat shrinkable polyolefin tubing which has excellent mechanical strength with good electrical properties and chemical resistance.
Uses	D should be considered in applications where strain relief, mechanical strength or abrasion resistance is a factor. Examples would be in protecting solder or crimped wire terminations on light wire harnesses
Operating Temp	-55°C, to +135°C
Shrink Temp	130°C
Standard Put-up	Bag 4 foot lengths, packaged in plastic bags.

	Property (units)	Test Method	Requirements
Physical	Tensile Strength (psi)	ASTM D638	2000 MIN.
	Elongation (%)	ASTM D638	200 MIN.
	Specific gravity	ASTM D792	1.0 MAX.
	Low temp. flex (-55°C)	AMS-DTL-23053	No Cracking
	Heat resistance, (175°C, 168 Hrs.) Elongation (%)	ASTM D638	100 MIN.
	Secant modulus (psi)	ASTM D882	2.5 x 10 ⁴ MIN
	Longitudinal change (%)	AMS-DTL-23053	+5, -10
Electrical	Dielectric strength (volts/mil)	ASTM D638	500 MIN.
	Volume resistivity (ohm-cm)	ASTM D638	1.0 x 10 ¹⁶ MIN
Chemical	Corrosion (175°C, 16 Hrs.)	AMS-DTL-23053	No Corrosion
	Water absorption (%)	ASTM D570	1.0 MAX.
	Fluid Resistance (23°C, 24 Hrs.)		
	Tensile Strength (psi)	AMS-DTL-23053	1600 MIN.
	Flammability		N/A
	Shrink Temperature (nominal)		130°C

Wholesale Pricing on Full Spools/Bags

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Inside Diameter Before Shrinking (minimum)		Inside Diameter After Shrinking (maximum)	Post Shrink Wall Thickness	Full Bag Length	Price:	Color Selection											
mm	inches					mm (inches)	mm (inches)	in feet	per bag per foot	BK	BR	RD	OR	YL	GN	BL	VI
							black	brown	red	orange	yellow	green	blue	violet	gray	white	clear
1.2	3/64 0.046	0.600 (0.23)	0.510 (0.020)	500	\$170.00 \$0.40												
1.6	1/16 0.063	0.800 (0.031)	0.510 (0.020)	500	\$174.25 \$0.41												
2.4	3/32 0.093	1.200 (0.046)	0.510 (0.020)	500	\$187.00 \$0.44												
3.2	1/8 0.125	1.600 (0.062)	0.510 (0.020)	500	\$199.75 \$0.47												
4.8	3/16 0.187	2.400 (0.093)	0.640 (0.025)	200	\$96.90 \$0.57												
6.4	1/4 0.250	3.200 (0.125)	0.640 (0.025)	200	\$120.70 \$0.71												
9.5	3/8 0.375	4.800 (0.187)	0.760 (0.030)	200	\$134.30 \$0.79												
12.7	1/2 0.500	6.400 (0.250)	0.890 (0.035)	100	\$76.50 \$0.90												

NOTE: Some types of heat shrink, for instance semi-rigid and dual wall types are manufactured in 4 foot lengths. The rigid and semi-rigid ones do not bend without kinking, the adhesives in dual walls tend to stick or block shut when spooled.

4 foot lengths, packaged in plastic bags.

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.