



DM-D31/DM-D41 DUAL WALL TUBING

Flexible heat shrink tubing with adhesive

Applications

Manufactured by co-extrusion of polyolefin and hot-melt adhesive.
Designed to provide both insulation and sealing for protected articles.
Used to protect auto wires, shipping cable, bundle wires and metal tubes against water and moisture.

Features

Good electrical insulation and waterproof connection.

Various

Operating temperature: - 45°C to +125°C
Minimum shrink temperature: 80°C
Standard color: Black
Special colors: Red, blue, white, yellow, clear, green
Shrink Ratio: 3:1 & 4:1



Technical Data

Property	Test Method	Typical Data
Tensile strength	ASTM D 2671	>10.4 MPa
Tensile strength after aging(158°C/168 hrs.)	ASTM D 2671	Remains 70%
Elongation at break	ASTM D 2671	>300% (min)
Elongation at break after aging(158°C/168 hrs.)	ASTM D 2671	100% (min)
Longitudinal shrinkage	UL 224	0 to -10%
Heat shock 250°C/4 hrs	No cracking	no dropping
Cold bend (-30°C/1 hr.)	ASTM D 2671	No cracking
Voltage withstand (AC 2500V/60 seconds)	ASTM D 2671	No breakdown
Volume resistance	ASTM D 876	≥10 ¹⁴ Ω.cm
Flammability	SAE-AMS-DTL-23053/4	Self-extinguish in 30 sec
Copper corrosion(158°C/168 hrs.)	UL 224	Pass
Water absorption	ASTM D 570	<0.5%

Dimensions

Size mm. (D)	As Supplied (mm) Inside Diameter Min. (D)	After Recovery (mm)			Standard length	
		Inside Diameter Max. (d)	Total Wall Thickness Min. (t)	Adhesive Thickness	m/piece	m/spool

DM-D31 Shrink Ratio 3:1 Adhesive-lined tubing

3/1	3.0	1.0	1.0	0.5	1.22	200
4.8/1.5	4.8	1.5	1.0	0.5	1.22	100
6/2	6.0	2.0	1.0	0.5	1.22	100
9/3	9.0	3.0	1.40	0.6	1.22	50
12/4	12.0	4.0	1.60	0.7	1.22	25
19/6	19.0	6.0	2.15	0.8	1.22	25
24/8	24.0	8.0	2.40	1.0	1.22	25
30/10	30.0	10.0	2.40	1.0	1.22	25
40/13	40.0	13.0	2.40	1.0	1.22	25
50/19	50.0	19.0	2.40	1.0	1.22	25

DM-D41 Shrink Ratio 4:1 Adhesive-lined tubing

4/1	4.0	1.0	1.0	0.5	1.22	200
6/1.5	6.0	1.5	1.0	0.5	1.22	100
8/2	8.0	2.0	1.0	0.5	1.22	100
12/3	12.0	3.0	1.4	0.6	1.22	25
16/4	16.0	4.0	1.6	0.8	1.22	25
24/6	24.0	6.0	2.15	0.8	1.22	25
32/8	32.0	8.0	2.4	1.0	1.22	25
52/13	52.0	13.0	2.4	1.0	1.22	-



*Spools as standards. 1m or 1.22m. Sticks, special spool lengths or cut pieces available on request.