



GDW is dual wall tubing manufactured by co-extrusion of polyolefin and hot melt adhesive. Designed to provide both insulation and sealing for protected articles.

APPLICATIONS :

- Provides permanent waterproof barrier & environmental seal for electrical components such as wire splices & harness in automobile and communication industry.
- Used as an alternative to moulded parts and cable breakouts.
- High shrink ratio enables insulation of cables with connectors of various sizes suitable for use in telecommunication, industrial equipment, automotive and avionics.

Technical Specification

PROPERTIES	VALUE	STANDARD
Physical		
Tensile Strength	9 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	300% (min.)	ASTM D638
Water Absorption	0.15% (max.)	ASTM D570
Specific Gravity	1.4	ASTM D792
Longitudinal Change	-10% (max.)	ASTM D638
Thermal		
Operating Temp. (outer wall)	-55°C to +125°C	IEC 216
Heat Shock (250°C for 4 hrs.)	No dripping, cracking or flowing (outer wall)	
Flammability	Pass	ASTM D2671
Chemical		
Fungus Resistance	Inert	MIL-1-7444
Copper Corrosion	Good	ASTM D2671B
Chemical Resistance	Good	ASTM D2671
Electrical		
Dielectric Strength	>15kV/mm	ASTM D2671
Di-electric Constant	3.0 (max.)	ASTM D150
Volume Resistivity	1 x 10 ¹³ Ohm.cm (min.)	ASTM D257

Selection Chart - 3:1

Part Number/Size	Internal Dia. (mm)		Recovered Thickness (Incl. Adhesive) (mm)	Recovered Adhesive (Thickness) (mm)	Standard Package
	Supplied	Recovered			
GDW 3/1	3.0	1.0	0.9	0.35	200m/spool
GDW 6/2	6.0	2.0	1.1	0.40	100m/spool
GDW 9/3	9.0	3.0	1.3	0.50	30m/spool
GDW 12/4	12.0	4.0	1.5	0.60	30m/spool
GDW 18/6	18.0	6.0	1.9	0.70	30m/spool
GDW 24/8	24.0	8.0	2.2	0.80	25m/spool
GDW 30/10	30.0	10.0	2.3	0.90	25m/spool
GDW 39/13	39.0	13.0	2.4	0.90	25m/spool
GDW 50/17	50.0	17.0	2.4	0.90	25m/spool

Selection Chart - 4:1

Part Number/Size	Internal Dia. (mm)		Recovered Thickness (Incl. Adhesive) (mm)	Recovered Adhesive (Thickness) (mm)	Standard Package
	Supplied	Recovered			
GDW 4/1	4.0	1.0	1.05	0.40	200m/spool
GDW 6/1.5	6.0	1.5	1.15	0.40	100m/spool
GDW 8/2	8.0	2.0	1.20	0.40	50m/spool
GDW 12/3	12.0	3.0	1.50	0.60	30m/spool
GDW 16/4	16.0	4.0	1.80	0.60	30m/spool

D : Dia as Supplied | d : Dia as Free Recovered | T : Free Recovered Wall Thickness

GENERAL PRODUCT PROPERTIES :

- Shrink ratio 3:1 and 4:1
- Operating temperature ranges from -55°C to 125°C
- Resistance to weathering and UV rays
- Chemical, copper, corrosion and fungus resistance
- Dielectric strength of 15 kV/mm.
- Meets RoHS Compliance
- Meets IP 68 (Ingress Protection)

SPECIFICATIONS:

IEC, ASTM, UI224 AND MIL-SPEC

