

Heat Shrink Coupler is a Tubing suitable to joint Corrugated HDPE pipes, used in Water management, Irrigation, Sanitary, Sewer and Drainage, Construction, Mining industries, Ducting and for underground Cable protection.

These tubes are manufactured from high quality Cross-linked Polyolefin material. Hot melt adhesive lining provides 100% sealing according to IP 68 (Ingress Protection).

It is feasible and the most economic jointing solution compared to Conventional Butt welding or using Snap Fit Coupler or Split coupler.

Features & benefits:

- Easy & Quick Installation. No special skill required.
- High resistance to Impact & Abrasion.
- Suitable for Wet and Dry underground conditions.
- Joint in-line with pipe.
- Superior elastomeric characteristics allows better conformance over irregular contours.
- High Shrink ratio (3:1) helps to reduce the stock requirements with few sizes covering greater pipe application range.
- Resistant to Heat, UV rays, Vibration, Sand-blasting & Harsh Industrial conditions.
- Customized dimensions, length & colour available.



Technical Qualification Report: QR 1038

Code	D min (mm)	d max (mm)	T±10% (mm)	Maximum Length/Pc. (mm)
GMW 70/22	70	22	2.7	1200
GMW 90/28	90	28	3.0	1200
GMW 105/30	105	30	3.0	1200
GMW 115/34	115	34	3.2	1200
GMW 130/36	130	36	3.2	1200
GMW 140/42	140	42	3.2	1200
GMW 160/50	160	50	3.3	1200
GMW 180/55	180	55	3.3	1200
GMW 200/60	200	60	3.5	1200
GMW 250/70	250	70	3.5	1200
GMW 320/90	320	90	3.5	500
GMW 375/110	375	110	3.5	500
GMW 425/125	425	125	3.5	500
GMW 550/157	550	157	3.5	500
GMW 680/200	680	200	3.5	500
GMW 760/215	760	215	3.5	500
GMW 863/250	863	250	3.5	500

Technical Specification		
PROPERTIES	VALUE	STANDARD
Physical		
Tensile Strength	20 Mpa (N/mm ²) (min.)	ASTM D638
Ultimate Elongation	350 % (min)	ASTM D638
Longitudinal Change	-10% (max.)	ASTM D2671
Hardness	45 ±10 Shore D	ASTM D2240
Water absorption	0.5 % (max.)	ASTM D570
Thermal		
Accelerated ageing	(120°C for 500 hrs)	ASTM D2671
Tensile Strength	14 Mpa (N/mm ²) (min.)	ASTM D638
Ultimate Elongation	300 % (min.)	ASTM D638
Low Temperature Flexibility	No Cracking	ASTM D2671
(-40°C for 4 hrs.)		
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125°C	IEC 216
Continuous Temperature Limit	-40 to +110°C	IEC 216
Electrical		
Dielectric Strength	12 KV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10 ¹⁴ Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150



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