

LLDPE & Synflex Tube



The John Guest PE Range of plastic tubing is produced in Linear Low Density Polyethylene for cold and intermittent hot water applications.

Our tubing provides the benefits of a wide range of temperature and pressure suitability, broad chemical compatibility and is made from non-contaminating materials. Common applications are in water purification, water conditioners, ice makers and misting systems.

LLDPE is more robust than traditional low or medium density polyethylene and is recommended for use with cold and intermittent hot water. Our tubing is made from FDA approved materials and is NSF International certified.

John Guest Polyethylene tubing is designed for use with John Guest Super Speedfit push-in fittings, John Guest Shut-Off Valves and virtually all standard tubing connectors.



Part No	OD	ID	Coil Length	Mini Bend Radius	Working Pressure/Working Temperature
PE-04025-0100M-N	4mm	2.5mm	100m	25mm	15 bar @ 20°C 8 bar @ 65°C
PE-04025-0100M-B	4mm	2.5mm	100m	25mm	15 bar @ 20°C 8 bar @ 65°C
PE-04025-0100M-E	4mm	2.5mm	100m	25mm	15 bar @ 20°C 8 bar @ 65°C
PE-0604-0100M-N	6mm	4mm	100m	25mm	15 bar @ 20°C 8 bar @ 65°C
PE-0604-0100M-B	6mm	4mm	100m	25mm	15 bar @ 20°C 8 bar @ 65°C
PE-0604-100M-R	6mm	4mm	100m	25mm	15 bar @ 20°C 8 bar @ 65°C
PE-0604-100M-E	6mm	4mm	100m	25mm	15 bar @ 20°C 8 bar @ 65°C
PE-0806-100M-N	8mm	6mm	100m	30mm	10 bar @ 20°C 6 bar @ 65°C
PE-0806-100M-B	8mm	6mm	100m	30mm	10 bar @ 20°C 6 bar @ 65°C
PE-0806-100M-E	8mm	6mm	100m	30mm	10 bar @ 20°C 6 bar @ 65°C
PE-0806-100M-B	8mm	6mm	100m	30mm	10 bar @ 20°C 6 bar @ 65°C
PE-0806-100M-E	8mm	6mm	100m	30mm	10 bar @ 20°C 6 bar @ 65°C
PE-1007-100M-N	10mm	7mm	100m	32mm	10 bar @ 20°C 6 bar @ 65°C
PE-1007-100M-B	10mm	7mm	100m	32mm	10 bar @ 20°C 6 bar @ 65°C
PE-1007-100M-R	10mm	7mm	100m	32mm	10 bar @ 20°C 6 bar @ 65°C
PE-1007-100M-E	10mm	7mm	100m	32mm	10 bar @ 20°C 6 bar @ 65°C
PE-1209-100M-B	12mm	9mm	100m	63mm	10 bar @ 20°C 6 bar @ 65°C
PE-1209-100M-R	12mm	9mm	100m	63mm	10 bar @ 20°C 6 bar @ 65°C
PE-1209-100M-E	12mm	9mm	100m	63mm	10 bar @ 20°C 6 bar @ 65°C

Maximum Working Temperature 150°F at pressures shown in chart above.

For temperatures above 150°F customers should refer to our technical help desk.

Please note maximum pressure rating for a 'system' depends on the lowest rated component, e.g. most John Guest fittings have a different rating from the tube ratings shown above

Burst Pressures are approximately 3 times the maximum working pressure.

Chemical Resistance

For use of LLDPE with chemicals or potentially aggressive liquids, please refer to our technical service department.

NOTE: When using cleaning agents or other potentially aggressive liquids, please ensure compatibility with tubing and fittings. LLDPE is not recommended for mineral oils, gasses and fuels or high pressure compressed air / pneumatic systems.