

MERIRON PIPES

1. General

Meriron pipes are manufactured according to the Israeli standard 61286-21 Plastic conduits for electrical and communication installations in buildings.

Standard length: 3m
Colour: Light grey
Joints: Integral solvent cement sockets

2. Material

The pipes are manufactured from PVC-U material with the addition of additives necessary for manufacture.

Typical properties of the PVC material as follows:

SPECIFIC GRAVITY:	1.4 g/cm ³
TENSILE STRENGTH:	55 N/mm ²
MODULUS OF ELASTICITY:	3000 N/mm ²
THERMAL CONDUCTIVITY:	0.14 Kcal/mh°C
COEFFICIENT OF LINEAR EXPANSION:	0.08 mm/m °C
WATER ABSORPTION:	< 4 mg/cm ³
HARDNESS:	111 Rockwell A
ELONGATION AT BREAK:	30 %
VICAT SOFTENING POINT:	76 °C

3. Dimensions

Nominal diameter	Maximum wall thickness	Minimum wall thickness	Maximum outside diameter	Minimum outside diameter	Minimum inside diameter	Weight per meter
mm	mm	mm	mm	mm	mm	kg
20	1.9	1.5	20.0	19.6	15.8	0.139
25	1.9	1.5	25.0	24.6	20.8	0.178
32	2.1	1.7	32.0	31.6	27.4	0.257
40	2.1	1.7	40.0	39.6	35.4	0.326
50	2.1	1.7	50.0	49.6	45.4	0.412

4. Properties

The pipes have the following characteristics according to IEC61386-1.

Clause	Property	Value	Classification
6.1.1	Compression force	Medium	3
6.1.2	Impact	Medium	3
6.2.1	Low temperature	-5°C	2
6.2.2	High temperature	+60°C	1
6.1.3	Resistance to bending	Rigid	1
6.3.2	Electrical properties	With electrical insulating characteristics	2
6.4.1	Protection against ingress of solid objects	Protection against solid objects from 1mm	4
6.4.2	Protection against ingress of water	None declared	0
6.4.3	Resistance to corrosion	N/A	-
6.1.4	Tensile strength	None declared	0
6.5.1	Resistance to flame propagation	Non-flame propagating	1
6.1.5	Suspended load capacity	None declared	0

5. Packaging

Nominal diameter (mm)	Pipe length (m)	Quantity per pack (units)	Total length in pack (m)
20	3	50	150
25	3	25	75
32	3	25	75
40	3	15	45
50	3	15	45