

Preflex[®] Datasheet

Preflex[®] prewired conduits : Ø 16, 20 and 25mm

Corrugated pliable conduits
 Self-recovering
 Recommended for embedding in concrete
 Non-flame propagating
 Super smooth finish
 Light grey colour
 Winded in coils of 10, 25, 50, 100, 150M
 Also available on drums of 300 and 500M

MATERIAL	Mechan. Compression	Impact Test	Working temperature
Polypropylene (no PVC)	750N at 23°C	6J at -5°C	-15°C - +90°C

In accordance with:

EN 61386-01 (replaces 50086-1) : This General Standard specifies the requirements and tests for conduit systems, including conduits and conduit fittings, for the protection and management of insulated conductors and/or cables in electrical installations up to 1000V AC and/or 1500V DC. This standard applies to metallic, non-metallic, and composite Conduit Systems, including threaded and non-threaded entries which terminate the system.

EN 61386-22 (replaces 50086-2-2): Part 2-2 specifies the special requirements for Pliable Conduit Systems. Pliable conduits can be bent by hand with reasonable force, but are not intended for frequent flexing.

This means that our conduits fulfill all performance specifications regarding marking – dimensions – mechanical testing – electrical testing – compression testing - thermal testing – fire risks – electromagnetic compatibility

IEC 61034 : European standard for the measurement of smoke density of cables burning under defined conditions.

This means that our conduits fulfill all performance specifications regarding the emission of smoke while burning. (more than 95% visibility)

IEC 60754-1: European standard for the determination of halogen acid gas, other than hydrofluoric acid, evolved during the combustion of compounds based on halogenated polymers and compounds containing halogenated additives taken from cable constructions.
This method is not suitable for defining compounds or materials described as “zero halogens”. For such compounds or materials and all compounds or materials containing less than 5mg/g halogen acid equivalent it is recommended to use the method specified in IEC 60754-2.

IEC 60754-2: European standard for tests on gases evolved during combustion of electrical cables; Part 2: Determination of degree of acidity of gases evolved during the combustion of materials taken from electrical cables by measuring pH and conductivity.

This means that our conduits fulfill all performance specifications regarding the acidity of gases evolved while burning.

This means that our conduits are “LOW SMOKE and HALOGENFREE”

In theory these tests are only meant for cables. We follow these standards because no similar tests for pliable conduits have been defined yet.

In addition PREFLEXIBEL GUARANTEES that its conduits always contain less than 0,5% of halogen elements (F, Cl, Br, I).

