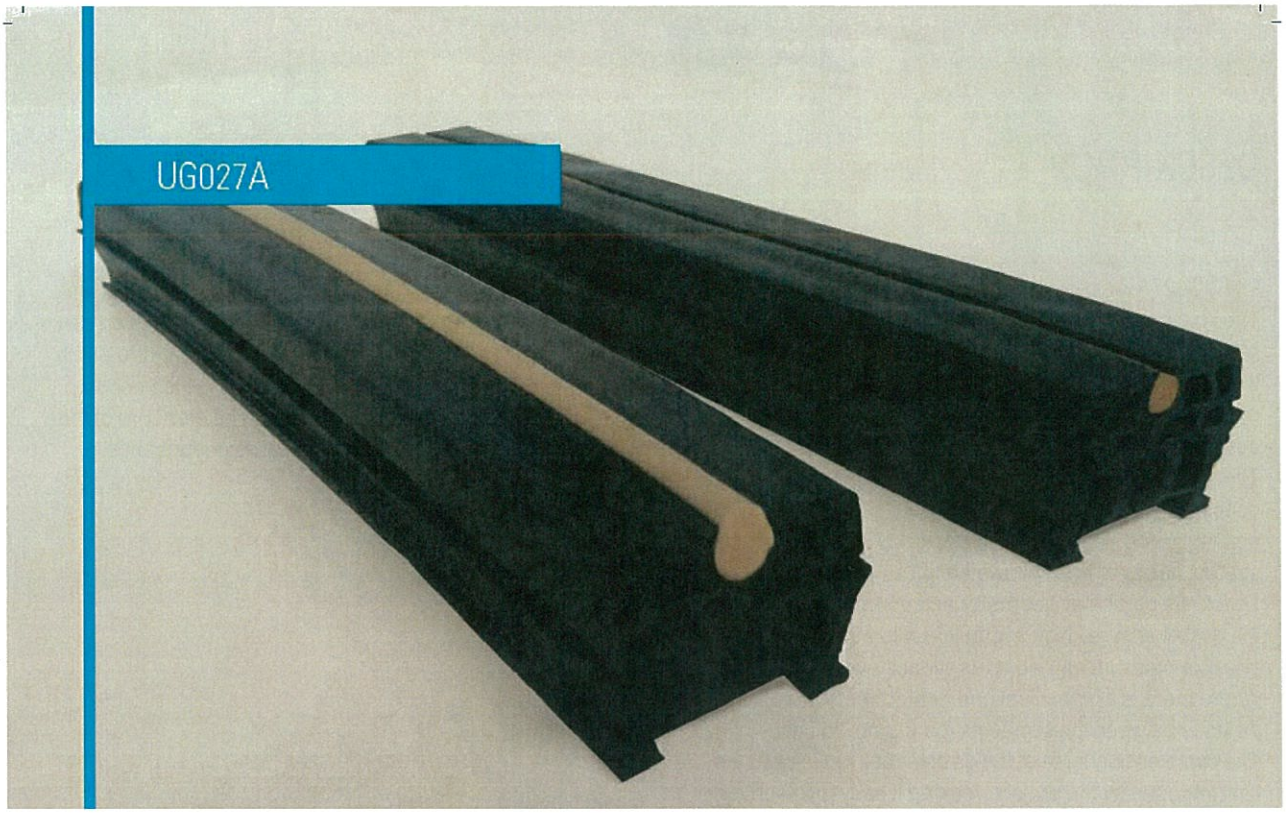

FAMA

HIGH INTENSITY OF INNOVATION

FAMA

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DESCRIPTION

-

The UG027A is a pre-cut gasket made of elastomer.
The anchored gasket is produced on the specific dimension of the segment that has to be sealed. It's integrated into the formwork before casting the concrete. The gasket is manufactured with injection moulding corner joints process and circumscribes the entire perimeter of the segment.
The gaskets work by a proper mutual contact between two opposites profiles and allow both longitudinal and annular sealing joints. The gasket is designed according to the specific needs of hydraulic watertight.
Due to its particular geometry and internal structure, the gasket ensures high hydraulic seals with the lowest possible pressure applied on its surface even in the case where there is a high misalignement (offset) and/or the distance between the segments (gap) is not optimal.
The compression force of the gasket does not exceed the limit imposed by the project, making it easy to assemble the segments. The particular study of the discharge of the junction's corners ensures a perfect seal and reduction of forces, avoiding the crushing of the concrete corner.
The corners are designed and manufactured with a geometry that replicates the segment's geometry, getting a perfect dimensional and functional coupling of the seals adjacent to each other.
The anchored gasket applied to precast segment offers significant technical and economic advantages as reduce staff and installation time by eliminating the use of the glue, with clear procedural and environmental benefits, improved coupling gasket/concrete and eliminating the infiltration caused by the expulsion of the gasket from its groove.
The attachment system in the formwork is simple and ensures the right position of the seal during processing without creating problems in the demoulding phases and ensuring no mortar infiltration.

The UG027A is designed to incorporate a swelling strip, made from a compound with hydrophilic nano particles, which can contain water in the molecular structure, allowing to swell three dimensionaly. The process depends on the temperature, on the quality and composition of water. The pressure of the expansion ensures an optimal water sealing performance.

SPECIFICATIONS

-

Material
EPDM

Hardness
65-80 ShA

Gasket height
17 mm

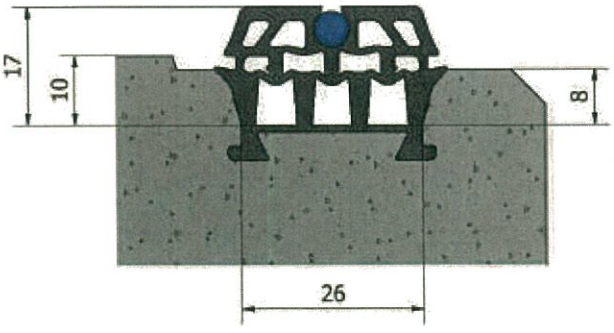
Gasket length
26 mm

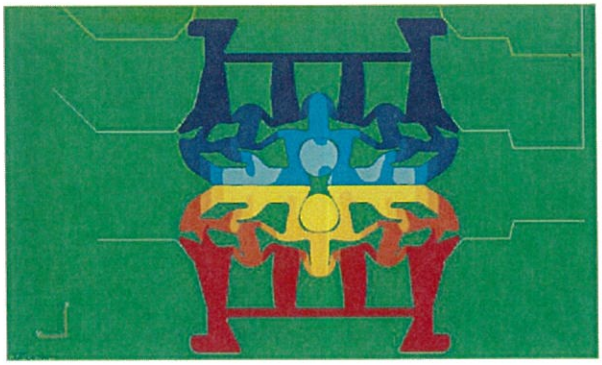
Swelling strip diameter
5 mm

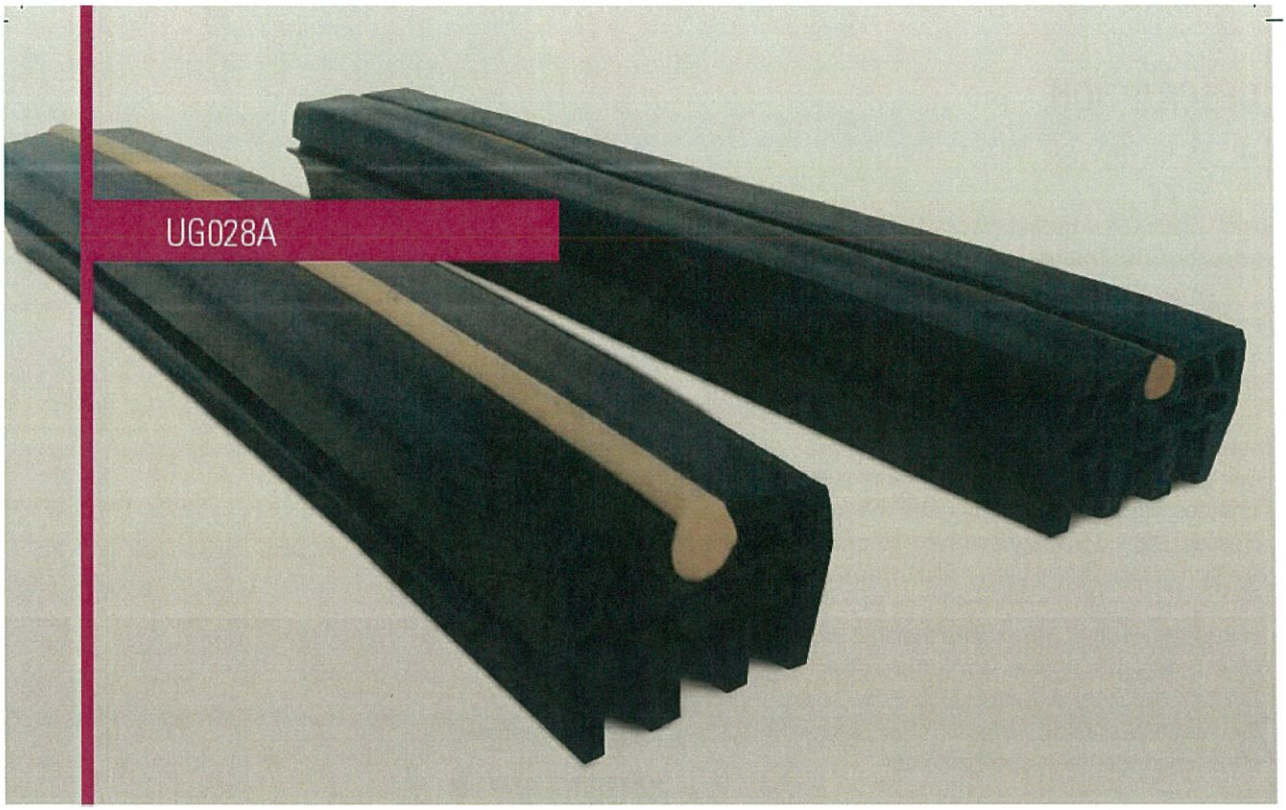
Flash point
above 300 degrees C

Recovery capacity
at 20° C ≤ 80%

Relaxation from compression 3 months
at 70° C ≤ 45%







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DESCRIPTION

The UG028A is a gasket made of elastomeric material based on EPDM rubber used to seal concrete segments. The gasket is made with injection moulding corner joints process and circumscribes the entire perimeter of the segment. The gaskets work by coming into contact with each other and allow both longitudinal and annular sealing joints. The gasket is designed according to the specific needs of hydraulic watertight.
Due to its particular geometry and internal structure, it ensures high hydraulic seals with the lowest possible pressure applied on its surface even in the case where there is a high misalignement (offset) and/or the distance between the segments (gap) is not optimal. The force of compression of the gasket does not exceed the limit imposed by the project, making it easy to assemble the segments.
The particular study of the discharge of the corners of junction ensures perfect seal and reduction of forces avoiding crushing of the concrete on the area of the corner.

The UG028A is designed to incorporate a swelling strip, made from a compound with hydrophilic nano particles, which can contain water in the molecular structure, allowing to swell three dimensionaly. The process depends on the temperature, on the quality and composition of water. The pressure of the expansion ensures an optimal water sealing performance.

SPECIFICATIONS

Material
EPDM

Gasket height
17 mm

Gasket length
26 mm

Swelling strip diameter
5 mm

Hardness
65-80 ShA

Flash point
above 300 degrees C

Recovery capacity
at 20° C ≤ 80%

Relaxation from compression 3 months
at 70° C ≤ 45%