**ZK611/ 612**

Article description:	<u>ZK611/ 612</u> closed-cell
Article forms:	Available as flat seal or strip Cut or die-cut seals With (ZK612) or without (ZK611) self-adhesive
Colour:	Black
Preparations:	Without any additionally preparations
Materials:	two qualities* see tables below <small>* (We can provide you with information about the material quality upon request.)</small>

EPDM-CR**Mechanical properties:**

- Very good UV-, ozone- and aging resistance

Properties	Specifications	Unit	Value
Density	ISO 845-88	kg/ m ³	130 ± 20
Compression deflection	ASTM D 1056-07/ NF R 99211-80	kPa	20 - 50 (Ø 40)/ 80 - 160 (Ø 108)
Water absorption	ASTM D 1056-07	%	≤ 10 (Ø 3)
Elongation	ISO 1798-97	%	Ø 165
Linear shrinkage (168 h/ 70 °C)	ISO 188	%	-7/ 0 (Ø - 4,6)
Compression set (50 %/ 22 h/ 23 °C)	ASTM D 1056-07	%	≤ 25 (Ø 14)
Tensile strength	ISO 1798-97	kPa	Ø 478

Thermal properties:

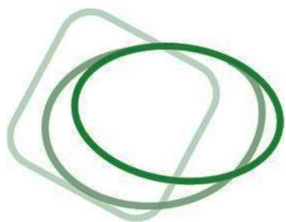
- Temperature from -40 °C to 100 °C
- Short-term 115 °C possible

Chemical properties:

- Good chemical resistance against acids and alkalis
- Conditional resistant against solvents
- Low resistant against oil/ fuel

Examinations and Approvals:

- Fire resistance to FMVSS 302: Burn Rate < 100 mm/ min. From material thickness ≥ 2,8 mm.
- Fire behavior according to UL 94:
 - Listed (E321195): HBF from material thickness ≥ 5 mm
 - Tested – not listed: HBF from material thickness ≥ 3 mm

**Gaskets****Cellular rubber EPDM (-CR)****EPDM****Mechanical properties:**

- Very good UV-, ozone- and aging resistance

Properties	Specifications	Unit	Value
Density	ISO 845-88	kg/ m ³	130 ± 20
Compression deflection 25 % // 50 %	ASTM D 1056-07	kPa	20 - 50 80 - 160
Water absorption	ASTM D 1056-07	%	≤ 5
Elongation	ISO 1798-97	%	≤ 150
Linear shrinkage (168 h/ 70 °C)	ISO 188	%	≤ 5
Compression set (50 %/ 22 h/ 23 °C)	ASTM D 1056-07	%	≤ 25 ≤ 50
Tensile strength	ISO 1798-97	kPa	≤ 350

Thermal properties:

- Temperature from -40 °C to 100 °C
- Short-term 120 °C possible

Chemical properties:

- At copper- and silver contact: corrosive
- Good chemical resistance against acids and alkalis
- Conditional resistant against solvents
- not recommended against oil/ fuel
- inert or antibacterial according to DIN EN ISO 846-C and inert or fungistatic according to DIN EN ISO 846-A

Tests and approvals:

- Fire behavior according to MVSS 302: Burn rate < 100 mm/min, from material thickness ≥ 3.0 mm

EPDM & EPDM-CR**Applications:**

Can be used in a variety of industrial applications or as door seals, e.g. for control cabinets or as insulation material.

Dimensions: Thickness 2,0 - 10,0 mm *

* Further thicknesses on request