



PROGRESSION CA

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Technical Data Sheet 151

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Material **PROGRESSION CA** consists of a 0.20 mm thick aluminum sheet (AlMg alloy) that is coated on both sides with a 75 µm layer of nitrile rubber (NBR).

Properties **PROGRESSION CA** exhibit the following specific properties, thanks to the AlMg core:

- lightweight
- in combination with aluminum components: the same coefficient of linear expansion
- high thermal conductivity
- non-corrosive

Gaskets made of **PROGRESSION CA** are usually beaded. Therefore, these special nonferrous rubber-metal gaskets feature a unique combination of technical gasket properties:

- very good ability to adapt to uneven sealing surfaces
- very good sealing integrity against fluids and gases
- recovery

Moreover, these gaskets offer very good resistance to oils, antifreeze, coolants (Freon), biodegradable lubricants, and nonpolar solvents.

Application

- For sealed joints that are subject to moderate mechanical and/or thermal stresses, such as valve covers, oil pans and engine ancillaries, as well as for housings, compressors, pumps, and refrigerating modules.
- Especially suitable for aluminum and magnesium components with low surface pressure.

Surfaces The gasket material is coated on both sides with a non-stick layer. Therefore, additional surface treatment is unnecessary in most cases.



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Technical Data
 PROGRESSION CA:
 (nominal thickness
 0.35 mm)

Weight per unit of area	kg/ m ²	≈ 0.70
Creep resistance to DIN 52 913 16 h, 175 °C	N/ mm ²	> 47
Swelling to ASTM F 146:		
in IRM 903 Oil (replaces ASTM Oil No. 3) 5 h, 150 °C		
increase in thickness	%	< 5
in ASTM Fuel B 5 h, room temp.		
increase in thickness	%	< 10
in water / anti- freeze (50:50) 5 h, 100 °C		
increase in thickness	%	< 5
Short- term peak temperature	°C	130
Operating temperature	°C	-40 up to +120



The data quoted above are valid for the material "as delivered" without any additional treatment. In view of the countless possible installation and operating conditions, definitive conclusions cannot be drawn for all applications regarding the behaviour in a sealed joint. Therefore, we do not give any warranty for technical data, as they do not represent assured characteristics. If you have any doubt, please contact us and specify the exact operating conditions.

Form of delivery

Gaskets according to drawings, dimensions supplied, or other arrangements;
 max. width 500 mm.

Nominal thickness and tolerance (mm)

0.35 ± 0.04