



RGC 210 RGC 257 RGC 275

RGC 210, RGC 257, RGC 275

Technical Data Sheet 410 (previously TDS 321)

Edition: 05/2012, supersedes all prior editions.

Please see the latest issue at www.reinz.com/datasheet

| | |
|--------------------|---|
| Material | These materials consist of cork bonded with nitrile rubber. |
| Properties | The structure of these materials, which are resistant to oils and fuels, ensures high compressibility and recovery. |
| Application | <p>RGC 210 Sight glass gaskets, for sealing glass to metal or ceramic to metal, cover gaskets for lightweight containers where good resistance to oils, fuels and solvents is required.</p> <p>RGC 257 Sight glass gaskets, gaskets in glass/ metal combinations, cover gaskets for lightweight containers where good resistance to oils and aromatic solvents is required.</p> <p>RGC 275 For sealing oil- filled transformers, hatch covers of tanks and fuel bunkers in the shipbuilding industry, etc.</p> |



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Technical Data
RGC 210

| | | |
|---|--------------------|------------|
| Density | g/ cm ³ | 0.6 - 0.75 |
| Compressibility and recovery acc. to ASTM F 36, procedure B | | |
| compressibility | % | 25 - 40 |
| recovery | % | > 80 |
| Shore hardness A, DIN 53505 | | 60 - 80 |
| Surface pressure when installed | N/ mm ² | 7 |
| Short- term peak temperature | °C | 150 |
| Maximum continuous temperature | °C | 135 |
| Maximum internal pressure | bar | 40 |



Max. continuous temperature and max. pressure must not occur simultaneously.

RGC 210 complies with the following specifications:

- ASTM F 104 Identification No. F 226 100
- ASTM No. P 2245 A
- DIN 3535, part 5, Type A, version 25 (DIN- DVGW)



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.



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Technical Data
RGC 257

| | | |
|---|--------------------|------------|
| Density | g/ cm ³ | 0.5 - 0.65 |
| Compressibility and recovery acc. to ASTM F 36, procedure B | | |
| compressibility | % | 40 - 60 |
| recovery | % | > 80 |
| Shore hardness A, DIN 53505 | | 40 - 60 |
| Surface pressure when installed | N/ mm ² | 5 |
| Short- term peak temperature | °C | 135 |
| Maximum continuous temperature | °C | 120 |
| Maximum internal pressure | bar | 20 |



Max. continuous temperature and max. pressure must not occur simultaneously.

RGC 257 complies with the following specifications:
ASTM F 104 Identification No. F 229 000



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Technical Data
RGC 275

| | | |
|---|--------------------|------------|
| Density | g/ cm ³ | 0.7 - 0.85 |
| Compressibility and recovery acc. to ASTM F 36, procedure B | | |
| compressibility | % | 25 - 40 |
| recovery | % | > 80 |
| Shore hardness A, DIN 53505 | | 70 - 80 |
| Surface pressure when installed | N/ mm ² | 6 |
| Short- term peak temperature | °C | 150 |
| Maximum continuous temperature | °C | 135 |
| Maximum internal pressure | bar | 40 |



Max. continuous temperature and max. pressure must not occur simultaneously.

RGC 275 complies with the following specifications:
ASTM F 104 Identification No. F 229 000



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.



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Form of delivery **Gaskets** according to a drawing, dimensions supplied, or other arrangement.

Blanks according to dimensions supplied

Sheets 914 x 914 mm

Nominal thicknesses and tolerances (mm)

RGC 210

| | |
|-------------|-------|
| 0.80 | ±0.25 |
| 1.00 | ±0.25 |
| 1.20 | ±0.25 |
| 1.60 | ±0.38 |
| 2.00 | ±0.38 |
| 2.40 | ±0.38 |
| 3.00 | ±0.38 |
| 4.00 | ±0.38 |

RGC 257

| | |
|-------------|-------|
| 1.00 | ±0.25 |
| 1.20 | ±0.25 |
| 1.60 | ±0.38 |
| 2.00 | ±0.38 |
| 2.40 | ±0.38 |
| 3.00 | ±0.38 |
| 4.00 | ±0.38 |

RGC 275

| | |
|-------------|-------|
| 1.60 | ±0.38 |
| 2.00 | ±0.38 |
| 3.00 | ±0.38 |
| 4.00 | ±0.38 |
| 6.00 | ±0.38 |

Other thicknesses by agreement