

DRINKING WATER CONTACT MATERIALS



EPDM E 2514

General:

EPDM, black
Sulfur crosslinked
good weather and ozone resistant

*certified according to Elastomer Guideline (ELL+W270) for cold- and warm water, for gaskets

*certified according to WRAS

*certified according to ACS

*complies with DIN EN 681-1

Wrapping: stretched foil, labelled
standard finishing in separation foil

*SVHC-free

Properties:

| | | |
|---------------------------|---------------|-------|
| Hardness [Shore A]: | ISO 7619-1 | 67±5 |
| Density [g/cm³]: | ISO 1183-1 | ~1,08 |
| Tensile Strength [N/mm²]: | ISO 37 type 2 | 9 |
| Elongation at Break [%]: | ISO 37 type 2 | 200 |

correspond to WDK-guideline 2201 : 2020-10 "Quality characteristics of Elastomer sheets- and plates"

Working temperature range

| | | | |
|--------|-------------|-------|------------|
| Medium | dyn.(stat.) | max. | short-term |
| air | (-30)°C | +90°C | +110°C |

Compression set DIN ISO 815

| | | |
|----------|-------------|-----|
| Duration | Temperature | CS |
| 22h | +70°C | 20% |

Ozone resistance ISO 1431-1

| | | | |
|----------|----------|-------------|----------------|
| Duration | Ozone | Temperature | Crack Level |
| 48h | 200 pphm | 40°C | 0 (=no cracks) |

Ageing ISO 188

| | | | |
|------------|-----------|----------|------------|
| Conditions | Hardness | Strength | Elongation |
| 70h / 70°C | 8 Shore A | 20% | 30% |

| ROTACURED-SHEETS product number | thickness mm | width mm | length mm |
|------------------------------------|-----------------|-------------|--------------|
| 401176100 | 1,00 | 1.400 | 20.000 |
| 401176200 | 2,00 | 1.400 | 20.000 |
| 401176300 | 3,00 | 1.400 | 10.000 |
| 401176400 | 4,00 | 1.400 | 10.000 |
| 401176500 | 5,00 | 1.400 | 10.000 |
| 401176600 | 6,00 | 1.400 | 10.000 |
| 401176800 | 8,00 | 1.400 | 5.000 |
| 401176000 | 10,00 | 1.400 | 5.000 |

Stabilities:

| | |
|----------------------|----------------------|
| Ozone resistance: | good resistant |
| Weather resistance: | good resistant |
| Oil resistance: | non resistant |
| Fuel resistance: | non resistant |
| Acid resistance: | resistant |
| Strong bases: | resistant |
| Abrasion resistance: | moderately resistant |

PAH disclaimer:

Referring to an [international proficiency test](#) and information received from the testing laboratories about accuracy of test results we may inform you, that test results for the same specimen from different laboratories may not correlate:

* Results of the 10 PAH with individual limits of < 1 mg/kg in the measurement range around the limit are only accurate to approx. ± 70%.

* Results of the overall limit of < 50 mg/kg are only accurate to approx. ± 35%

Our test results are provided on an as-is basis and to the best of our knowledge, without any legally binding commitment. Our tests do not release you from own tests as to the respective application envisaged.

Please note:

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operation conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether specified properties of our products are sufficient for the intended use. If there is any doubt (e.g. chemical resistance), do not hesitate to contact our qualified engineers. The use of our products is at the user's own risk. We do not have any influence concerning the application and individual usage. We do of course warrant the quality of our products according to our General Sales Conditions, available on our website or on request. ©Copyright 2020 Semperit Technische Produkte GmbH

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