SEMPERIT (S

DRINKING WATER CONTACT MATERIALS

EPDM E 633



General:

EPDM, black Sulphur crosslinked good weather and ozone resistant

*certified according to KTW-BWGL for gaskets and equipment (P2) with cold and hot water (up to 60°C) * meets the requirements of EN 681-1

Wrapping: stretched foil, labelled standard finishing in separation foil

*REACH-conform in accordance with EU 1272/2013 *PAH – meets GS cat.1 in full content

Working temperature range

working temp	erature range		
Medium	dyn.(stat.)	max.	short-term
air	(-30)°C	+90°C	+110°C
Compression	set DIN ISO 815		
Duration	Temperature		CS
72h 24h	+23°C +70°C		15% 20%
Ozone resista	nce ISO 1431-1		
Duration	Ozone	Temperature	Crack Level
48h	200 pphm	40°C	0 (=no cracks)
Ageing ISO 18	8		

Conditions	Hardness	Strength	Elongation
168h / 70°C	5 Shore A	10%	-15%

Rotacured sheeting	Thickness mm	Width mm	Length mm
401133200	2,00	1.400	20.000
401133300	3,00	1.400	10.000
401133400	4,00	1.400	10.000
401133500	5,00	1.400	10.000
401133600	6,00	1.400	10.000
401133800	8,00	1.400	5.000
401133000	10,00	1.400	5.000

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.

*SVHC < 0,1%. Note: for consumer articles with skin contact further restrictions apply according to REACH.

Properties:

Hardness [Shore A]:	ISO 48-4	70±5
Density [g/cm³]:	ISO 1183-1	~1,11
Tensile Strength [N/mm ²]:	ISO 37 type 2	11
Elongation at Break [%]:	ISO 37 type 2	300
correspond to WDK-guideline 22 Elastomer sheets- and plates"	201 : 2020-10 "Quality	characteristics of

Stabilities:

Ozone resistance:
Weather resistance:
Oil resistance:
Fuel resistance:
Acid resistance:
Strong bases:
Abrasion resistance:

good resistant good resistant non resistant non resistant resistant resistant moderately resistant

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 qualitied 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 Semperi Technische Produkte GmbH

Subject to alteration without prior notice: In order to always have the latest product- and safety information make sure you visit our website (www.semperitgroup.com) regularly or contact specialist dealers or a Semperit application engineer. Additional important general information about the range, storage and tolerances can also be found at our website (www.semperitgroup.com) and must be followed without exception.

certified according to ISO 9001:2015, ISO 455001:2018, ISO 14001:2015

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