

**EPDM**



**GREEN EVO STAR**

provisional datasheet

**General:**

EPDM, black, high-grade  
nitrosamine-free curing System  
reduced CO2 formulation  
bio-based Polymer, significantly reduced zinc-oxid level  
good weather and ozone resistant

Wrapping: stretched foil, labelled  
standard finishing in separation foil

\*REACH-conform in accordance with EU 1272/2013  
\*PAH – meets GS cat.2 in full content

**Properties:**

Hardness [Shore A]:	ISO 7619-1	65±5
Density [g/cm³]:	ISO 1183	~1,23
Tensile Strength [N/mm²]:	ISO 37-S2	9
Elongation at Break [%]:	ISO 37-S2	450
Tear Resistance [N/mm]:	ISO 34-1 meth. C	30

**Working temperature range**

Medium	dyn.(stat.)	max.	short-term
air	(-30)°C	+100°C	+120°C

**Compression set DIN ISO 815**

Duration	Temperature	CS
22h	+70°C	35%

**Ozone resistance ISO 1341**

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

**Ageing ISO 188**

Conditions	Hardness	Strength	Elongation
70h / 100°C	10 Shore A	15%	30%

ROTACURED SHEETS product number	Thickness mm	Width mm	Length mm
401161100	1,00	1.400	20.000
401161200	2,00	1.400	20.000
401161300	3,00	1.400	10.000
401161400	4,00	1.400	10.000
401161500	5,00	1.400	10.000
401161600	6,00	1.400	10.000
401161800	8,00	1.400	5.000
401161000	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:	good resistant
Abrasion resistance:	non 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.

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](http://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](http://www.semperitgroup.com)) and must be followed without exception.

certified according to ISO 9001:2015, OHSAS 18001:2007, ISO 14001:2015  
Date: 2020-07-01