



FLAME PROTECTION

EPDM E 2441

General:

EPDM, black - high-grade
 sulfur linked
 good weather and ozone resistant
 no discolouring
 Flame resistant classification from 2 to 10 mm thickness
 according DIN EN 45545 part 2 : 2016-02
 for sealing profiles and gaskets application use R22/R23,
 class HL2/HL3
 complies with flame classification according EU regulation 95/28/EG and
 US-FMVSS 302
 wrapping: stretched foil, labelled
 standard finishing in seperation foil

*PAH - REACH-conform in accordance with EU 1272/2013

Properties:

Hardness [Shore A]:	ISO 7619-1	60 ±5
Density [g/cm³]:	ISO 118	ca. 1,12
Tensile strength [N/mm²]:	ISO 37-S2	7
Elongation at break [%]:	ISO 37-S2	300
Abrasion [mm³]	ISO 4649 method A	350
Tear resistance [N/mm]	ISO 34-1 method A	6
flame reaction	R22/HL2 R23/HL2	EN 45545-2

Working temperature range

Medium	dyn. (stat.)	max.	short-term
air	(-35) °C	+100 °C	+120 °C

Compression set DIN ISO 815

Duration	Temperature	CS
24 h	+70 °C	+40 %

Ozone resistance

Duration	pphm ozone	Temperature	Crack Level
96h	50 pphm	40 °C	0

Ageing ISO 1817

Conditions	Hardness	Strength	Elongation
22 h / 100°C	+10 Shore A	- 20 %	25 %

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:	moderately suitable

ROTACURED SHEETS	Thickness	Width	Length
product number	mm	mm	mm
401124200	2,00	1.400	20.000
401124300	3,00	1.400	10.000
401124400	4,00	1.400	10.000
401124500	5,00	1.400	10.000
401124600	6,00	1.400	10.000
401124800	8,00	1.400	5.000
401124000	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.

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 www.semperitgroup.com 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) 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.