

AAG EPDM E1442

technical data sheet



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 separation foil

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

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
96 h	50 pphm	40 °C	0

AGEING ISO 1817

CONDITIONS	HARDNESS	STRENGTH	ELONGATION
22 h / 100 °C	+10 Shore A	-20 %	25 %

ROTACURED SHEETS	THICKNESS	WIDTH	LENGTH
PRODUCT NUMBER	MM	MM	MM
02E10000FR02	2,00	1.400	20.000
02E10000FR03	3,00	1.400	10.000
02E10000FR04	4,00	1.400	10.000
02E10000FR05	5,00	1.400	10.000
02E10000FR06	6,00	1.400	10.000
02E10000FR08	8,00	1.400	5.000
02E10000FR10	10,00	1.400	5.000

PROPERTIES

Hardness [Shore A]:	ISO 7619-1	60 ±5
Density [g/cm ³]:	ISO 118	ca. 1,12
Tensile strength [N/mm ²]:	ISO 37-S2	7
Elongation at break [%]:	ISO 37-S2	300
Abrasion [mm ³]	ISO 4649 method A	350
Tear resistance [N/mm]	ISO 34-1 method A 6	
flame reaction	R22/HL2 R23/HL2	EN 45545-2

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

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.