

# WEAR RESISTANT MATERIALS



## RED STAR® VKS

### General:

NR, red, high-grade  
Sulphur crosslinked  
Wear resistant sheeting with bonding layer

Thickness tolerances as of 6 mm according to ISO 3302 ST3  
High elastic  
Excellent mechanical properties

Typical operational areas: sand blast cabins, fine grinded materials

Wrapping: stretched foil, labelled  
standard finishing in separation foil

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

### Properties:

Hardness [Shore A]:	ISO 7619-1	40±5
Density [g/cm³]:	ISO 1183-1	~1,06
Tensile Strength [N/mm²]:	ISO 37 type 2	16
Elongation at Break [%]:	ISO 37 type 2	600
Abrasion [mm²]:	ISO 4649 meth. A	110 [5N]

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

### Working temperature range

Medium	dyn.(stat.)	max.	short-term
Air	-40 (-50)°C	+70°C	+80°C

### Compression set DIN ISO 815

Duration	Temperature	CS
22h	+70°C	25%

### Ageing ISO 188

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

### Stabilities:

Ozone resistance:	non resistant
Weather resistance:	non resistant
Oil resistance:	non resistant
Fuel resistance:	non resistant
Acid resistance:	moderately resistant
Strong bases:	resistant
Abrasion resistance:	well suited

ROTACURED SHEETS product number	Thickness mm	Width mm	Length mm
366540206	6,00	1.400	10.000
366540208	8,00	1.400	5.000
366540210	10,00	1.400	5.000

ROTACURED SHEETS product number	Thickness mm	Width mm	Length mm
364740212	12,0	1.400	5.000
364740215	15,0	1.400	5.000
364740220	20,0	1.400	5.000
364740225	25,0	1.400	5.000
364740230	30,0	1.400	5.000
364740240	40,0	1.400	5.000
364740250	50,0	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 or on request. ©Copyright 2020 Semperit Technische Produkte GmbH

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certified according to ISO 9001:2015, ISO 45001:2018, ISO 48-4

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