

# Material

## 93 AU V167

red

**revision index**  
11

**revision date**  
3/30/2022

**page** 1 / 3

### Physical properties

	nominal range	typical values	
<b>Density</b> DIN EN ISO 1183-1, 23 °C	1.21 ±0.02	1.21	g/cm <sup>3</sup>
<b>Hardness</b> DIN ISO 7619-1, Shore A, 23 °C	94 ±3	93	Shore
<b>Hardness</b> DIN ISO 7619-1, Shore D, 23 °C	48 ±5	47	Shore
<b>Modulus</b> 100 %, DIN 53504, S2, 23 °C	> 12	13.5	MPa
<b>Tensile strength</b> DIN 53504, S2, 23 °C	> 45	50	MPa
<b>Elongation at break</b> DIN 53504, S2, 23 °C	> 320	397	%
<b>Tear strength</b> DIN ISO 34-1, B (b), 23 °C	---	110	KN/m
<b>Compression set</b> DIN ISO 815, 24 h, 70 °C, 20 %	---	27	%
<b>Compression set</b> DIN ISO 815, 24 h, 100 °C, 20 %	---	34	%
<b>Low Temperature</b> ISO 11357-2, DSC	---	-23	°C
<b>Temperature range</b>	-20°C to 110°C		

### Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

	Country	Part	Remark	Expires
(EG) 10/2011	EU		food	see DoC
(EG) 1935/2004	EU		food	see DoC
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)	see DoC
ADI Free			see certificate	see DoC

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**revision index**  
11

**revision date**  
3/30/2022

**page** 2 / 3

**Country Part**  
Info ROHS and ELV

**Remark Expires**  
EU 2000/53 (ELV) including EU 2011/65 and see DoC  
EU2015/863 (ROHS III)

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red

revision index  
11

revision date  
3/30/2022

page 3 / 3

**No ASTM D2000 properties available**

**The material fulfills the requirements of FDA.**

**The operational conditions are defined according "Food Types & Conditions of use for Food Contact Substance" §176.170 Table 2 from B to H of FDA.**

**The material is suitable for repeated use in all dry, aqueous and acidic foods, except alcoholic foods.**

The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry.

The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

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