

CENUSIL® TD 150

HTV Silicone Rubber, Preliminary Data Sheet

Characteristics

CENUSIL® TD 150 is a one-component, peroxide curing silicone rubber that cures at elevated temperature to a high hardness elastomer.

Special characteristics

- Hydrophobic surface behaviour
- Adequate tracking resistance
- Sufficient mechanical properties

Applications

CENUSIL® TD 150 is intended for low voltage distribution class applications such like insulators.

Processing

CENUSIL® TD 150 is suitable for molding applications. For detailed information about processing and primers please refer to our brochure "Processing Solid Silicone Rubber"

Storage

CENUSIL® TD 150 has a shelf life of 6 months when stored between 0 °C and 30 °C in the originally sea led container. The 'Best use before end' date of each batch appears on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety information

Detailed safety information is contained in the respective material data safety sheet, which can be obtained from our sales offices.

Product Data (Uncured) ¹⁾

Property	Test method	Unit	Typical Value
Color			Dark Grey
Specigic Gravity (23 C, in water)	ISO 2781	[g/cm³]	1.55

Product Data (Cured) ²⁾

Property	Test method	Unit	Typical Value
Hardness, Shore A	ISO 868		(± 5)70
Tensile Strength	DIN 53 504 S 1	N/mm ²	>4
Elongation at break	DIN 53 504 S 1	[%]	> 200
Tear resistance	ASTM D 624 B	[N/mm]	>14
Dielectric Strength (3 mm Specimen)	IEC 60243	Kv/mm	17
Volume Resistivity	IEC 60093	Ωcm	10 ¹⁴
Permittivity (50 Hz)	IEC 60250	[εr]	3.4
Dissipation Factor (50 Hz)	IEC 60250	[tan δ]	2.10 ⁻²
Arc Resistance	IEC 61621	s	>240
Tracking Resistance	IEC 60587		1A 3.5

1) These figures are intended as a guide and should not be used in preparing specifications
 2) Test specimens were cured for 15 min at 165 °C

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.

The management system has been certified according to ISO 9001:2008 and ISO 14001: 2004



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For technical, quality or product safety questions please contact

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