AS1707 (ESP878)

Characterisation

Silicone Adhesive. AS1707 is a 1 part alkoxy cure silicone compound. AS1707, is optimised for thermal conductivity and is recommended for use with electronics.

Technical Data

	AS1707		
Appearance	Thixotropic Paste		
Colour	Grey		
Extrusion Rate	104	g/min	@ 90 PSI
Density	2.95	g/cm³	
Tack Free Time	10	min	
	Vulcanisate after 7d @ 24°C; 65% Humidity		
Hardness Shore A	84		ASTM D2240-95
Tensile strength	1.82	N/mm^2	BS903 Part A2
Elongation at break	11	%	BS903 Part A2
Overlap Shear to Al	13.1	kg/cm^2	ASTM D1002
Youngs Modulus	23	MPa	BS903 Part A2
	Electrical & Thermal Properties		
Thermal Conductivity	3.27	$Wm^{-1}K^{-1}$	ASTM E1530-11
Volume Resistivity	1.26×10^{14}	Ωcm	ASTM D257

Storability / Storage

If stored properly, the storability of components A and B is 12 months. It is absolutely important to store the products in closed original containers at temperatures below 40 °C .

The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

Application Technique

Processing

1. Vulcanisation

At Room temperature and humidity the system vulcanises as described under Technical Data.

Remarks:

The contact with the following substances may delay or even prevent the vulcanization:

- chlorine or butyl rubbers containing sulphur
- stabilisers and softeners
- amine hardeners in epoxy resins
- various organic solvents, e.g. ketones, alcohols, ethers, etc.

In case of doubt, we recommend carrying out pre-trials.

The data given in this technical leaflet result from our experience. They correspond with the best of our knowledge and serve for advising our customers.
However, they are not binding. Please observe the trademark rights of third parties.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Edition: March 2019
CHT Germany GmbH
Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany
Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com