

# Product Technical Data Sheet

## Thermal Conductive Paste H

Silicon compound facilitates the transfer of heat between electronic components and the radiator. It is essential to the proper operation of all kinds of temperature sensors, protects against weathering, prevents thermal breakdowns. It is characterized by a very good chemical resistance to oxidation; the effect of aqueous solutions of acids, alkali and salts; sulphur dioxide and ammonia. It has a wide operating temperature range: from - 50°C to 250°C. Does not conduct electricity.

### Application:

temperature sensors,  
facilitates the flow between electronic components and the radiator.

### Physicochemical properties:

Parameters	UoM	Result
Density at 20°C	g/cm <sup>3</sup>	2,58
Flash point	°C	350
Solidification point	°C	-50
Refractive index:	-	1,405
Specific heat at 50°C	Cal /g K	0,243
Heat transfer coefficient at 0-150°C	W/m K	0,88
Dielectric constant at 100 Hz	-	4,7 (±0,1)
Volume resistance	Ohm x cm	5 x 10 <sup>14</sup>
Tangent of the angle of the dielectric loss index at f=100 Hz	-	0,020 (±0,003)
Operating temperature range	°C	-50 ~ 250

### Packagings:

Volume	Type of packaging	Collective packaging	Item Code
0,5 g	sachet	20 / 200	ART.AGT-144
7 g	tube	10 / 300	ART.AGT-055
25 g	syringe	2 / 16	ART.AGT-056
100 g	plastic box	6 / 36	ART.AGT-057
800 g	cartridge	2	ART.AGT-120
1 kg	plastic box	1	ART.AGT-058
5 kg	plastic box	1	ART.AGT-059

### Warehousing:

Store in a well-ventilated, cool and dry place. Keep containers tightly closed when not in use. Protect against sunlight exposure.