

## POWER-TEK PS 680



January 2018

### APPLICATION RANGE



### DESCRIPTION

Power-teK PS 680 is a circular wound, 1,200 mm long mineral wool pipe section slit on one side for easier installation.

### PERFORMANCE

Max. service temperature	680 °C (EN 14707)
Reaction to fire	A1L (EN 13501-1)
Apparent density	ca. 115 kg/m <sup>3</sup> (EN 13470)
Declaration of performance	<a href="http://dopki.com/T4305JPCPR">http://dopki.com/T4305JPCPR</a>

Description	Sign	Description/data	Unit	Standard
Thermal conductivity depending on mean temperature	θ	50   100   150   200   300   350	°C	EN ISO 8497
	λ	0,039   0,045   0,053   0,062   0,087   0,102	W/(mK)	
AS quality	-	≤ 10	ppm	EN 13468
Total water absorption	W <sub>p</sub>	≤ 1	kg/m <sup>2</sup>	EN 13472
Water vapour diffusion resistance	μ	1	-	EN 14303
Silicone free	-	No emissions by lacquering disturbing substances	-	-
Melting point of fibres	-	≥ 1000	°C	DIN 4102-17
Specific heat capacity	C <sub>p</sub>	1030	J/(kgK)	EN ISO 10456
AGI Designation code	-	10.04.04.99.99	-	AGI Q 132
Designation code	-	Outer diameter < 150 mm:	-	EN 14303
		MW-EN14303-T8-ST(+)-680-WS1-CL10		
		Outer diameter ≥ 150 mm:		
		MW-EN14303-T9-ST(+)-680-WS1-CL10		

Declared material properties are obtained in the production process and ensured by the factory production control in accordance with the European Standard at the time of manufacture. Observing storage and handling guidelines will maintain performance within published tolerances.

### CERTIFICATES





## ADDITIONAL INFORMATION

### Application

The product is recommended for thermal, fire and sound insulation of the defined applications within technical insulation.  
Pipe lines, Plant and industrial construction, Chemical plants, District heating lines, Industrial plants, Shipbuilding

### Handling

Our products are easy to handle and easy to install. It is supplied packaged in cardboard boxes or wrapped in foil (depending on the product) which are designed for short term protection only. Further product information is mentioned on every pack.

### Storage

For longer term protection on site, it is recommended to store the product either indoors or under a roof and off the ground.

### Product features

Thickness	20-120 mm
Inner diameter	15-324 mm
Length	1.200 mm



Knauf Insulation mineral wool products with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE® Technology contain no dye or artificial colours – the colour is completely natural.

### Knauf Insulation d.o.o

Varaždinska 140  
42220 Novi Marof  
Croatia

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Extreme caution was observed when putting together and processing the information, texts and illustrations in this document. Nevertheless, errors cannot quite be ruled out. The publisher and editors cannot assume legal responsibility or any liability whatever for incorrect information and the consequences thereof. The publisher and editors will be grateful for improvement suggestions and details of possible errors pointed out.