

**Test Report No. 121389**

1. issue of 09.05.2012

Client Henkel Italia  
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ITALY

Order 08.05.2012

Content od Order Determination of thermal conductivity according to DIN EN 12667 of "Pattex PF200 Schiuma poliuretana manuale"

The test report contains 2 pages.

The test material was used up.



The test report shall be published unabridged. Any partial publishing requires written allowance by the testing institute. The test results refer only to the tested material.

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## 1 Test material

Delivered 05.10.2009 by post-package:

3 boards PUR foam, "1C Assembly Foam HFC-free"

Dimensions 500 mm x 500 mm x 50 mm

The product is identical to a product with another trade name. The results determined for this product were transferred with the consent of the former client.

## 2 Thermal conductivity

The test was carried out according to DIN EN 12667:2001 with a guarded hot plate apparatus (standard apparatus) according to clause 5.2.2 between 13.10.2009 and 15.10.2009. The results are given in tables 1 and 2.

Table 1: Details of the specimens

Specimen		1	2
Width	mm	501	501
Length	mm	501	500
Thickness	mm	50.5	52.0
Mass	g	345.4	347.7
Area related mass	kg/m <sup>2</sup>	1.38	1.39
Density	kg/m <sup>3</sup>	27.3	26.7

Table 2: Test results

Mean temperature of the hot surfaces	Mean temperature of the cold surfaces	Mean temperature of the specimens	Surface temperature difference	Density of heat flow-rate	Thermal conductivity	Thermal resistance
$\vartheta_{wm}$	$\vartheta_{km}$	$\vartheta_m$	$\Delta T$	q	$\lambda$	R
°C	°C	°C	K	W/m <sup>2</sup>	W/(m·K)	m <sup>2</sup> ·K/W
15.0	5.1	10.1	9.9	6.62	0.0341	1.50

Hannover, 9 May 2012

Head of laboratory

By proxy

(ORR Dipl.-Phys. Hurling)

