

Test Report No. 134334

English version of test report No. 060795.1-Hu

1. issue of 27.09.2013

Client Adolf Würth GmbH & Co. KG
Reinhold-Würth-Straße 12-16
74653 Künzelsau

Order 08.05.2012

Content od Order Determination of thermal conductivity according to DIN 52612
of PUR foam „PUR logic TOP“

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 25.01.2006 by parcel service:

2 boards PUR foam „PUR logic TOP“

Dimensions 500 mm x 500 mm x 50 mm, colour light grey

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 52612-1:1979-09 with a guarded hot plate apparatus (standard apparatus) according to clause 7 between 26.01.2006 and 30.01.2006. The results are given in tables 1 and 2.

Table 1: Details of the specimens

Specimen		Specimen 1	Specimen 2
Width	mm	492	495
Length	mm	488	489
Thickness	mm	49.5	50.3
Mass	g	173.6	191.0
Area related mass	kg/m ²	0.72	0.79
Density	kg/m ³	14.6	15.7

Table 2: Test results

Measurement no.	Mean temperature of the hot surfaces	Mean temperature of the cold surfaces	Mean temperature of the specimens	Surface temperature difference	Thermal conductivity
	ϑ_{wm}	ϑ_{km}	ϑ_m	ΔT	λ_g
—	°C	°C	°C	K	W/(m·K)
1	14.9	5.0	10.0	9.9	0.0363
2	25.0	14.8	19.9	10.2	0.0380
3	35.0	24.7	29.8	10.3	0.0402
Thermal conductivity at a mean temperature of 10 °C in air-dry condition					0.0362

Hannover, 27 September 2013

Head of laboratory

By proxy

(ORR Dipl.-Phys. Hurling)

