

S. Pauly / A. Becker · Zeilstraße 30 · D - 65201 Wiesbaden

Mrs. Eda Var
Dinamik Isi lLtd. Şti.
1203/4 Sk. No.1/A Ege Ticaret Merkezi

Yenişehir – İZMİR



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17. Juli 2007

Meßergebnisse

Sehr geehrte Frau Var,

beiliegend erhalten Sie die Ergebnisse der Untersuchungen an Ihren Isolationsmaterialien. In den beiden Diagrammen ist die Wärmeleitfähigkeit in Abhängigkeit von der Temperatur dargestellt.

Mit freundlichen Grüßen

Annette Becker

- Annette Becker -

Anlage: Ergebnisprotokolle DIG07001, DIG07002, DIG07003 und DIG07004
2 Diagramme

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order number: DIG07001

Customer: Dinamik Isi ILtd. Şti.
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Product tested	Thickness			Relative humidity	Temperatur	Water vapor transmission rate	Water vapor transmission rate	Density ρ	Water vapor resistance factor μ	Equivalent airlayer thickness s_d
	min	max	MW							
	mm	mm	mm	%	°C	g/(m*d)	g/(m ² *d)	kg/m ³	--	m
Dynaflex 19 x 28*	19,9	21,4	20,5	50	23	0,052	0,35	32	3290	67

Date: 17. July 2007

measured by:

Becker

* The calculation is based on the measured inner diameter of 29 mm.

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order number: DIG07002

Customer: Dinamik Isi ILtd. Şti.
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Product tested	Thickness			Relative humidity	Temperatur	Water vapor transmission rate	Water vapor transmission rate	Density ρ	Water vapor resistance factor μ	Equivalent airtightness S_d
	min	max	MW							
	mm	mm	mm	%	°C	g/(m*d)	g/(m ² *d)	kg/m ³	--	m
Dynaflex AL 19 x 28*	18,7	19,7	19,1	50	23	0,0032	0,023	41	55100	1050

Date: 17. July 2007

measured by:

Becker

* The calculation is based on the measured inner diameter of 29 mm.

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order number: DIG07003

Customer: Dinamik Isi ILtd. Şti.
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Product tested	Thickness			Relative humidity	Temperatur	Water vapor transmission rate	Water vapor transmission rate	Density ρ	Water vapor resistance factor μ	Equivalent airlayer thickness s_d
	min	max	MW							
	mm	mm	mm	%	°C	g/(m*d)	g/(m ² *d)	kg/m ³	--	m
Dynaflex 19 mm	17,5	19,5	18,7	50	23	—	0,40	30	3230	60

Date: 17. July 2007

measured by: *Becker*

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order number: DIG07004

Customer: Dinamik Isi ILtd. Şti.
 1203/4 Sk. No.1/A Ege Ticaret Merkezi
 Yenişehir - İZMİR

Product tested	Thickness			Relative humidity	Temperatur	Water vapor transmission rate	Water vapor transmission rate	Density ρ	Water vapor resistance factor μ	Equivalent airtightness s_d
	min	max	MW							
	mm	mm	mm	%	°C	$g/(m \cdot d)$	$g/(m^2 \cdot d)$	kg/m^3	--	m
Dynaflex AL 19 mm	17,7	19,8	18,9	50	23	—	0,0077	34	163000	3080

Date: 17. July 2007

measured by:

Becker

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order number: DIG07001

Determination of the thermal conductivity

Customer: Dinamik Isi ILtd. Şti.
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Product name: Dynaflex • 19 x 28
Diameter of the test tube: 28,0 mm
Thickness: 20,5 mm
Density: 32 kg/m³
Sample conditioning: The sample has been tested like delivered.

results	
mean temperature °C	thermal conductivity λ W/(m·K)
9,02	0,03946
19,31	0,04171
28,95	0,04379
38,71	0,04629

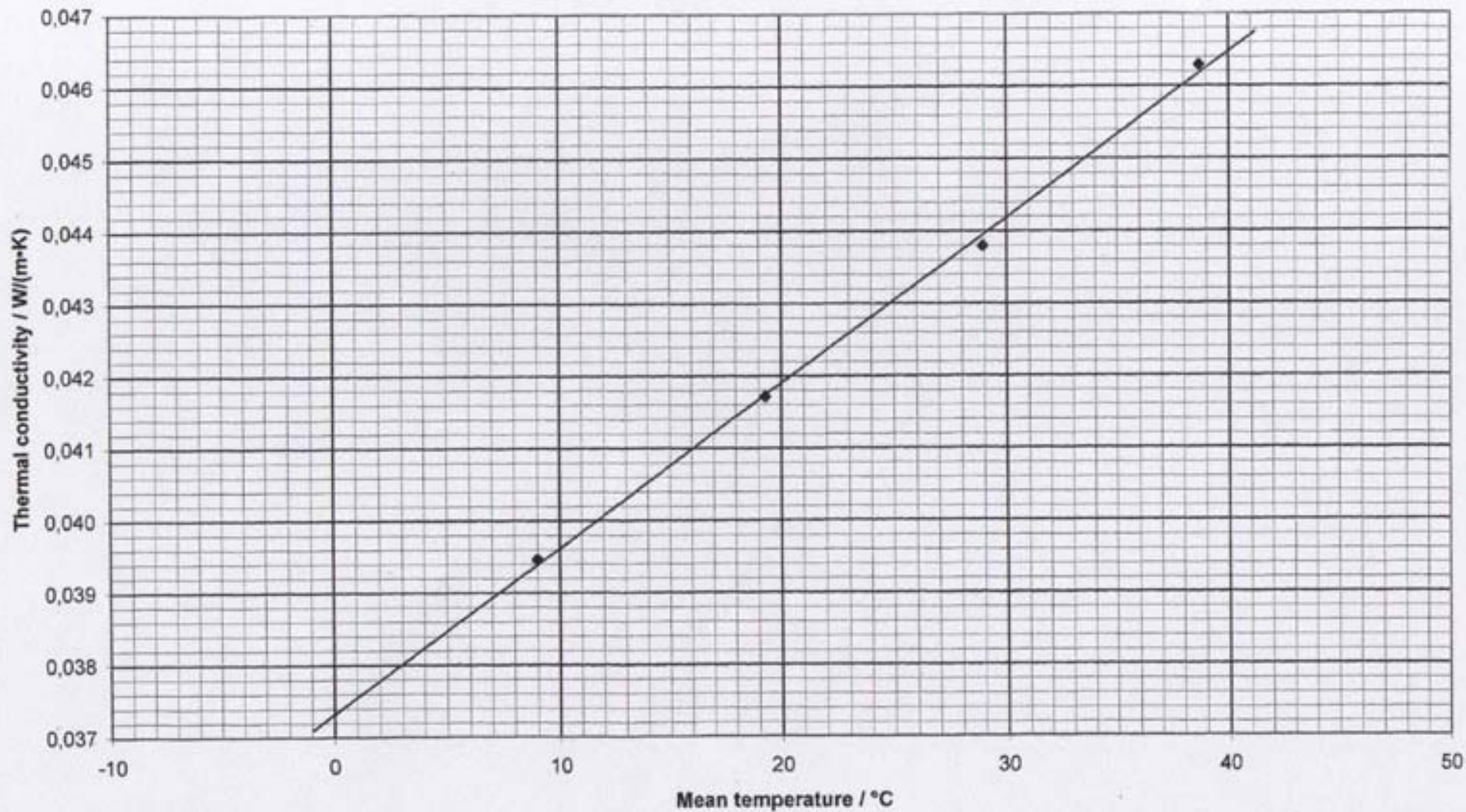
results:					
mean temperature °C	0	10	20	30	40
thermal conductivity W/(m·K)	0,037	0,040	0,042	0,044	0,046

Date: 17. July 2007

tested by:

Becker

Thermal conductivity of Dynaflex, 19 x 28.



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order number: DIG07002

Determination of the thermal conductivity

Customer: Dinamik Isi ILtd. Şti.
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Product name: Dynaflex AL • 19 x 28
Diameter of the test tube: 28,0 mm
Thickness: 19,1 mm
Density: 41 kg/m³
Sample conditioning: The sample has been tested like delivered.

results	
mean temperature °C	thermal conductivity λ W/(m·K)
10,02	0,03656
20,26	0,03866
29,78	0,04079
39,55	0,04296

results:					
mean temperature °C	0	10	20	30	40
thermal conductivity W/(m·K)	0,034	0,037	0,039	0,041	0,043

Date: 17. July 2007

tested by:

Becker

Thermal conductivity of Dynaflex AL, 19 x 28.

