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Oldenburg, 27.05.2024

Test report BA 34111

customer-PO no.: 4560100572
Date of order: 15.05.2024
Period of testing: 17.05.2024 - 27.05.2024

We received the following sample/s:

Innoform sample no.	receipt	description/ designation given by client	sample type/ sample size	sample packed in
159537	16.05.2024	MMS24/024-1-2024 / 01-099 / Arma-Chek Wrap / Armacell Italia Srl / High performance polymer based on polyisobutylene. The product is self-welding	hand- rolled sample(s) 1 x roll width approximately 500 mm	plastic pouch

1 Task

- Water vapour transmission rate 23°C_75/0% r.h. with calculation of Sd-value

2 Water vapour transmission rate/ Sd- value

Simplified report form that contains the most important information. Upon request, additional information will be provided.

2.1 testing parameters

test standard	DIN EN 1931 (2001-03)
Innoform SOP	031
material type	moisture barrier
measuring method	electrolytical ISO 15106-3 (accredited test method)
test temperature [°C]	23
rel. humidity/wet side [%]	75
rel. humidity/dry side [%]	0
Direction of the vapour stream	not relevant
note	The measurement was carried out without a protective film.

2.1.1 Test specimen thickness [μm]

Innoform sample no. description/ designation given by client	mean values per test specimen	total mean value $\pm U$ (k=2)	note
159537 (MMS24/024-1-2024 / 01-099 / Arma-Chek Wrap / Armacell Italia Srl / High performance polymer based on polyisobutylene. The product is self-welding)	1129 1119	1124 $\pm$ 11	see (1)

2.1.2 WDD measured value [$\text{g}/(\text{m}^2 \times 24 \text{ h})$]

Innoform sample no. description/ designation given by client	single values	$\bar{x} \pm U$ (k=2)	min	max	note
159537 (MMS24/024-1-2024 / 01-099 / Arma-Chek Wrap / Armacell Italia Srl / High performance polymer based on polyisobutylene. The product is self-welding)	0,02 0,02	0,02 $\pm$ 0,002	0,02	0,02	-

2.1.3 Sd value [m]

Innoform sample no. description/ designation given by client	single values	$\bar{x} \pm U$ (k=2)	min	max	note
159537 (MMS24/024-1-2024 / 01-099 / Arma-Chek Wrap / Armacell Italia Srl / High performance polymer based on polyisobutylene. The product is self-welding)	1785 1785	1785 $\pm$ 161	1785	1785	-

(1) The thickness measurement is performed with a method especially for plastic films using a mechanical device. Because at least sample it is an elastic, rubber-like plastic, the values are indicative values only.

notes			
$\bar{x}$	mean value	min	minimum measured value
s	standard deviation	max	maximum measured value
U	expanded uncertainty (k=2)		

Kind regards

27.05.2024

X Matthias Böhne

Prüfleiter / Test Manager

Signiert von: Matthias Böhne

Innoform GmbH
Testservice



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