

HARDICK BV
For the attention of Mr. Nieland
Thermen 5

NL – 7521 PS Enschede
NEDERLAND

REPORT B11/R7451/0001

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Re: Migration tests of foil PFA incorporated with carbon fiber

Report date : 12.05.11

Date of receipt : 10.03.11

SAMPLE DESCRIPTION:

LOVAP ref.

Your ref.

11/LG03303

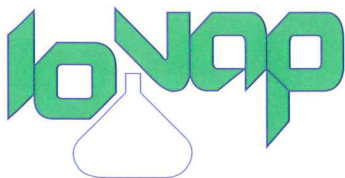
foil : PFA incorporated with carbon fiber

The product may, according to the supplier, be exposed to a maximum temperature of 260°C.

RESEARCH:

The tests were carried out according:

- Regulation EC 1935/2004 on materials and articles intended to come into contact with food.
- EEC guidelines 82/711/EEC and 85/572/EEC (and amendments) concerning rules and simulants used for testing migrations of plastic materials and articles intended to come into contact with food.
- EEC guidelines 2002/72/EEC relating to plastic materials and articles intended to come into contact with food (and amendments).



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1) Analysis of the physical changes at a temperature of 260°C

The product was heated at 260°C during 2 hours. There was no loss in weight ascertained and no physical changes were identified.

2) Determination of the global migration limit

The global migration of components towards the simulators was determined in the following testing circumstances:

simulant	contact time	contact temperature	global migration (mg/dm ²)
distilled water	2h	100°C	<5
acetic acid 3%	2h	100°C	<5
iso-octaan	4h	60°C	5.1
ethanol 95%	6h	60°C	5.2

CONCLUSION:

The global migration of the elements of the foil towards the simulators is lower than the maximum limit (10 mg/dm²) for materials meant to be exposed to food. The material is therefore appropriate to be exposed to food by normal and higher temperatures (max. 260°C).

Gerrit De Peuter
Technical Director