



**KUNSTSTOFF-TECHNIK  
HELMSTEDT GMBH**

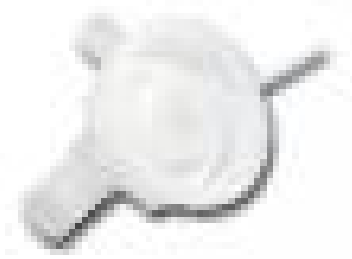
# Product Specification

**Rev.-Date:**

02.10.2008

**Change-index:**

<b>Article indication:</b>	<b>SK 61 AFT</b>	<b>Drawing-Nr.:</b>	V 6106
		<b>Date:</b>	13.07.1995
		<b>KTH Part.-Nr.:</b>	6106.01.09
<b>Customer:</b>	<b>Pretic Axesspack</b>	<b>Customer Part.-Nr.:</b>	010219
<b>Raw material:</b>	<b>Cap</b>	HDPE Lupolen 4261 A / Marlex HXM 50100	
<b>Color:</b>	nature		
<b>Checking measures:</b>	Cap deepness	21,10 mm ± 0,40 mm	
	Thread inside diameter	55,70 mm ± 0,40 mm	
	Thread outside diameter	60,50 mm ± 0,40 mm	
<b>Washer</b>	<b>Material:</b>	Alveocel	<b>Density:</b> 300 Kg/m <sup>3</sup>
<b>Drawing-Nr.:</b>	S 1150,09	<b>Measurements:</b>	Ø 53,50 mm x Ø 44,50 mm x 3 mm
<b>Execution:</b>	/		
<b>Drawing-Nr.:</b>	/	<b>Raw material:</b>	/
<b>Embossing:</b>	KTH sign,		
<b>Total weight:</b>	28,20g		
<b>Physiological Properties:</b>	<p>Regarding the pre-information of our suppliers stand out 2007/2008, in a qualified sense corresponds, the base materials we use, this following's EC Directive's 2002/72/EC, 2007/19/EC and the ordinance 1935/2004/EC to plastic materials and articles intended to come into contact with foodstuffs. (For the correctness of our details, the specifications exclusively can be seen by our suppliers in the appendix)</p> <p>Ultimately customers must make their own determination that their use of our product is safe, lawful (except as provided in the above certifications) and technically suitable in their intended applications.</p>		
<b>Usability</b>	The product can be recycled and is energetically usable		
<b>Packing unity:</b>	<b>500 pieces/box and PE-bag</b>	<b>20 boxes/pallet with PE-bag wrapped (stretched) on a Euro-pallets.</b>	
<b>Identification of packing unity:</b>	With white label and yellow delivery label		
<b>Made on:</b>	<b>02.10.2008</b>		
<b>Name:</b>	<b>Puhlmann</b>		



## **Robinet Aeroflow Blanc sur bague F 2" (DIN61)**

### **Description rapide**

Monté sur bague F 2" pas d'artillerie

**Débit : 70 ml/sec**

<b>Conditionnement</b>	Carton de 250 unités
<b>Référence - code GPAO</b>	999060 - 2 RO6100
<b>Poids du conditionnement (Kg)</b>	16.5000
<b>Joint</b>	Alvéocel
<b>Matière</b>	PEHD
<b>Filetage</b>	Col Diam 61
<b>Diamètre (mm)</b>	55

MAJ 16/09/10



## CHEVRON PHILLIPS CHEMICALS INTERNATIONAL N.V.

Brusselsesteenweg 355 - B-3090 Overijse - Belgium  
Telephone: +32 (0) 2 689 12 11 - Fax: +32 (0) 2 689 14 72

### CERTIFICATE FOR :

### To Whom It May Concern:

**Dirk Thielemans**

Marlex Technical Manager

Brusselse Steenweg 355  
B 3090 Overijse,  
BELGIUM

Telephone: +32 2 689 1250

Fax: +32 2 689 1472

[thield@cpchem.com](mailto:thield@cpchem.com)

[www.cpchem.com](http://www.cpchem.com)

### European Regulatory Compliance for Food Contact Certificate of Conformity

**Product: Marlex® HDPE**

**Type: HXM 50100**

**Origin : Q-Chem and US**

On behalf of Chevron Phillips Chemical Company, we hereby certify that the High-Density Polyethylene resin Marlex® HXM 50100 mentioned on the present certificate, as delivered by us, comply with the actual European Commission Directives 90/128, 92/39/EEC, 93/9/EEC, 95/3/EC, 96/11/EC, 1999/91/EC, 2001/62/CE, 2002/17/EC, 2002/72/EC, and its amendments up to and including 2008/39/EC related to plastic materials and articles intended to come into contact with foodstuffs.

Marlex® HXM 50100 can be considered to be suitable for contact with dry ; aqueous, acidic , alcoholic (up to 50%) and fatty foodstuff for 2 hours at 70°C followed by a storage period longer than 24hours at room temperature and any condition that can be considered as less severe in view of the "regulation".

The above mentioned grades also comply with the actual national legislations related to plastics materials and articles intended to come in contact with non fatty foodstuff (see the following link for details:

[http://ec.europa.eu/comm/food/food/chemicalsafety/foodcontact/eu\\_nat\\_laws\\_en.pdf](http://ec.europa.eu/comm/food/food/chemicalsafety/foodcontact/eu_nat_laws_en.pdf) )

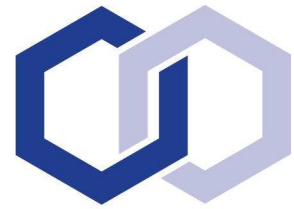
For full compliance a global migration limit of 10 mg/dm<sup>2</sup> and specific migration limits (SML) apply to the final article intended to come in contact with food. Therefore, responsibility for testing compatibility between Marlex packaging and specific food products always remains with the manufacturer and user of the packaging.

CERTIFIED BY:

**Dirk Thielemans**

Marlex Technical Manager E/A

The opinions and information contained herein are to the best of our knowledge accurate and reliable, but they cannot be guaranteed mainly because the conditions of use are beyond our control.



**POLYMER-TEC**  
HALBZEUGE GMBH

## **Declaration of conformity**

in accordance with article 9, Annex VIa of the EC directive 2007/19/EC of 30<sup>th</sup> march 2007

### **1. Identity and address of the company**

Polymer-Tec Halbzeuge GmbH  
Haystraße 14-20  
D-55566 Bad Sobernheim

Telephone: 06751/8530-0

Commercial Register: Amtsgericht Bad Kreuznach HRB 20028  
Managing Direktor: Dr. Dirk Kropp, Dirk Breitbach

### **2. Identity of the materials**

PE-foam with densities from 150 until 500 kg/m<sup>3</sup> in different thickness for the production of gaskets

### **3. Date of declaration**

4<sup>th</sup> August 2008

### **4. Confirmation**

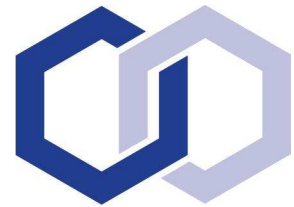
Polymer- Tec Halbzeuge GmbH confirms that their manufactured PE foam for the production of gaskets in different specific gravities and strengths correspond to 2007/19/EC and the directive (EEC) No. 1935/2004.

### **5. Information relative to the substances used for**

The PE foams are made of the following raw materials:

- PE granulate
- Nucleation Agent
- cell stabilizers
- foaming agent CO<sub>2</sub> or Isobutane .

No monomers or additives were used , for which exists a food regulation restriction of use.



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**6. Information relative to the substances which are subject to a restriction in food, obtained by experimental data or theoretical calculations**

From received test data or theoretical calculations no data are present, which references to a restriction of above mentioned foam in the contact with food.

**7. Specifications on the use of the material**

- i) Type or types of food with which it is intended to be put in contact

The material can be used as gasket seals for bottles, which come into contact with alcoholic and non-alcoholic beverages. The test foam was brought with aqueous and non-aqueous solvents in contact, which are suitable to simulate the influence from food. As solvents it were used distilled water, 3% of acetic acid, 10% of ethanol-liquid, olive oil, 40% of ethanol-liquid and heptane.

- ii) Time and temperature of treatment and storage in contact with the food

In each case the solvents were brought into contact with the foam for 2 hours with 70°C and 10 hours with 40°C. Exception heptane: 0.5 hours with 38°C.

- iii) Ratio of food contact surface area to volume used to establish the compliance of the material

In each test 200 cm<sup>2</sup> of the surface were brought in contact with 400ml test substance. For the evaluation of the conformity it was accepted that the content of a bottle of 0,33 l come into contact with the area of a gasket of 4,2 cm<sup>2</sup>. So the limit values of 60 mg/l Simulans were fallen far below.

**8. Using plastic functional barrier**

Not applicable

Polymer-Tec Halbzeuge GmbH

i.A. Dieter Schmitt  
- *Manager Quality Assurance*