





Usine productrice/Hersteller/Manufacturer <b>Ugine</b> Avenue Paul Girod - CS 90100 73403 Ugine Cedex France	<b>INSPECTION CERTIFICATE 3.1</b> <b>CERTIFICAT DE RECEPTION 3.1</b> <b>ABNAHMEPRUEFZEUGNIS 3.1</b> ----- <b>EN 10204 / 3.1</b>	<b>UGITECH</b> Providing special steel solutions 
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Numéro certificat/Nummer/Number <b>81608726 000010</b>	Ordre de fab. / Auftrag / Prod. Order <b>A1543FP62000</b>	N° coulée / Schmelzen Nr / Heat N° <b>550303</b>	N° lot MM / Chargen / Batch <b>1543FP6200</b>
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Certification - Werkzeugnis - Certificate <b>AD 2000-MERKBLATT W0/TRD100</b> Pressure Equipment Directive <b>97/23/EC</b> <b>ISO 9001</b> <b>ISO/TS 16949</b>	EN 9100 EN 9120		Marque d'usine Herstellerzeichen Supplier's Mark  Poinçon de l'expert Prufstempel Inspector's stamp 
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<b>UGIMA 4305 BAR SMQ TURNED POLISHED SOLUTION ANNEALED K11 ROUND 25,000MM LONG. 3,00 0M + 100,000MM -0,000MM</b> Produit <b>UGIMA 4305 BARRE BARRE DE DÉCOLLETAGE TOURNÉE POLIE HYPERTREMPÉ(E) K11 ROND(E) 25,000MM LONG. 3</b> Erzeugnisform <b>UGIMA 4305 STAB AUTOMATENSTAHL GESCHÄLT POLIERT LÖSUNGSGEGLÜHT K11 RUND 25,000MM LONG. 3,000M +</b> Product <b>UGIMA 4305 BAR SMQ TURNED POLISHED SOLUTION ANNEALED K11 ROUND 25,000MM LONG. 3,000M + 100,000MM</b>
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Client - Besteller - Purchaser <b>12816 DAMSTAHL A/S</b>	N° cde client - Kundenbestellnummer - Purchase order number <b>542668 - January</b>	Commande - Bestellung - Order <b>717270 50</b>
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Norme de référence / Besugsnorm / Standard for reference <b>EN 10088-3 ED2014 1.4305</b> <b>AISI 303</b>	<b>ASTM A582/582M 12e1 Oct 2012 TYPE 303</b> <b>EN 10088-5 ED 2009 1.4305</b>
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Spécification client / Kundenspezifikation / Customer's specification - . .
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Nombre Stueckzahl Pieces Nbr	Profil Profile Shape	Dimension Ausmessung Dimension	Longueur Laenge Length	Poids Gewicht Weight
70	RO	25,000 MM 21-1	3,000	833 KG

Mode d'élaboration Erschmelzungsart Melting process	N° prélèvement Probenummer Test number	Demandé / Vorschrift / Required Min Max	42 % C	43 % SI	44 % MN	45 % NI	46 % CR	47 % MO	48 % CU	49 % S
<b>EAF + AOD            + CC</b>	<b>ÆWV</b>	coulée/ Schmelzen / Heat Produit / Erzeugnisform/ Product	0,0500	0,4480	1,6740	8,4550	17,1250	0,4040	0,4750	0,2924

Demandé / Vorschrift / Required Min Max	50 % P	51 % N	52	53	54	55	70	71	72	73	74	75
coulée/ Schmelzen / Heat Produit / Erzeugnisform/ Product	0,0298	0,0420										

Demandé / Vorschrift / Required Min Max	76	77	78	79	80	81	82	83	84	85	86	87
coulée/ Schmelzen / Heat Produit / Erzeugnisform/ Product												

We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity ; Document validated by electronic signature. Material manufactured in the REACH regulation respect.	Ugine le 17.01.2016 Le Responsable Métallurgie-Qualité Der Qualitätsbeauftragter
We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity ; Document validated by electronic signature. Material manufactured in the REACH regulation respect.	The Quality Manager  B. POLLET 040000940009 Page 1/2

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			Limite d'élasticité Streckgrenze Yield Strength		RM Zugfestigkeit Tensile	Alongement Bruchdehnung Elongation		Striction Einschnürung Red area	Dureté-Haerte-Hardness				
			T° C	0,2%	1%		A5D	A4D		HB	HV	HRB	HRC
24	90	° C	Mpa	Mpa	Mpa	%	%	%	230				
13	Min Max Min Max	° C	20 20	190 225	500 750	35							
N° prélèvement Probenummer Test number	AEWV 1201 L	20	288	328	635	56		63	182				
39B													
A l'état de Référence / treatment on test sample / Probstreifenbehandlung													

	Résilience-Kerbschlagzähigkeit-Notch Toughness							
	Type Form Type	T° C	Sens Richtung Direction	Min	Valeurs individuelles Einzelwerte Individual values		Moyenne Mittelwerte Average	Expansion latérale Seitliche Breitung Lateral Expansion
Taux de corroyage Forging ratio Verschmiedungsgrad <b>79,2</b>	101	31	33	32	95	35	36	91
A l'état de livraison / Lieferzustand / As delivered solution annealed	13	° C		J			J	
A l'état de Référence / treatment on test sample / Probstreifenbehandlung	14							

EN 10278 56

FREE FROM INTERNAL DEFECTS EQUIVALENT TO EN 10308 CLASS 2, GUARANTEED BY THE CONTROL PROCESS

ANTIMIXING TEST PERFORMED : CONFORM

MATERIAL IS FREE FROM MERCURY AND RADIOACTIVE CONTAMINATION , WELDS OR WELD REPAIRS AT TIME OF SHIPMENT

USE OF THIS PRODUCT IS POSSIBLE FOR METALLIC CONSTRUCTIONS OR METAL-CONCRETE CONSTRUCTIONS

PRODUCT SSBEN10088-5 (STAINLESS STEEL BAR EN10088-5) ACCORDING TO DOP1 (SEE UGITECH WEBSITE)

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Ugine le 17.01.2016

Le Responsable Métallurgie-Qualité

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Der Qualitätsbeauftragter

The Quality Manager

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# Overensstemmelseserklæring

RIAS A/S bekræfter hermed at nedenstående produkt POM er i overensstemmelse med de nævnte forordninger.



## Declaration of Compliance

for products made of plastic intended to come into contact with foodstuffs

Röchling Sustaplast KG  
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56112 Lahnstein/Germany  
Tel. +49 2621 693-0  
Fax +49 2621 693-170  
info@sustaplast.de  
www.roechling.com

### Product: Sustarin C FG, natural and black coloured (POM-C)

We herewith confirm that the semi-finished product mentioned above is in compliance with the requirements of the following regulations:

- (EC) No 1935/2004 of the European Parliament and the Council dated 27<sup>th</sup> October 2004 applicable for materials and goods destined to come into contact with foodstuffs and for revocation of the directives 80/590/EEC and 89/109/EEC, Gazette of the European Communities L 338/4 dated 13/11/2004, modified by Appendix nr. 5.17 of the regulation (EC) No 596/2009 dated 18<sup>th</sup> June 2009, Gazette of the European Communities L 188 dated 18/07/2009, article 3,
- Consumer Goods and Animal Feed Code (Foodstuffs and Animal Feed Code – LFBBG) in the version of the notification of 22<sup>nd</sup> of August 2011 (BGBl. I p. 1770), last amendment by article 1 of the Directive of 3 August 2012 (BGBl. P. 1708), §§ 30 and 31

Furthermore the product meets the requirements of

- (EC) No 10/2011 of the Commission dated 14th of January 2011 on plastic materials and articles to come into contact with food, Gazette of the European Communities L 21/1 dated 15/01/2011, last amendments by Commission Regulations (EU) No 1282/2011 dated 28 November 2011 and (EU) No 1183/2012 dated 30. November 2012.
- Decree on Consumer Goods in the version of the communication of 23<sup>rd</sup> of December 1997 ( BGBl. 1998 I p.5), last modification by Article 5 of the Decree of 13<sup>th</sup> of December 2011 (BGBl. I p. 2720).

with regard to the composition and the migration behaviour.

The manufacturing of the product mentioned above is carried out according to the method „Good Manufacturing Practice“ (GMP), corresponding to the regulation (EC) No 2023/2006 of December 2006 applicable for the good manufacturing practice for materials and goods destined to come into contact with foodstuffs.

According to the regulation (EC) No 1935/2004, the traceability of our products is guaranteed at all levels and is carried out by means of the production number inscribed on the product label or the accompanying documents.

#### Testing conditions for migration tests based on the application

The product was tested according to the methods for "examination of utensils" by means of several samples, according to the regulation B 80.30, 1 to 3 (EC) of the Official List of testing procedures according to § 64 LFBBG (Germany), as well as the series of standards EN 1186, EN 13130 and CEN/TS 14234 "materials and goods in contact with foodstuffs – plastics".

According to the general rules for migration tests, the total migration and the specific migrations of individual substances were determined by using food simulants and pre-defined testing conditions (time/temperature).

The overall migration as well as the specific migration do not exceed the legal limits set out in directive (EC) No 10/2011 when used as specified in table 1.

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# Overensstemmelseserklæring

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## Declaration of Compliance

for products made of plastic intended to come into contact with foodstuffs

### Product: Sustarin C FG, natural and black coloured (POM-C)

Table 1 - Determination of migration behavior

Testing simulant	Testing conditions (time/temperature)	Intended contact with foodstuffs
Acetic acid 3%	10 days at 40°C	Long term contact at temperatures up to room temperature as well as the contact at 70°C for 2 hours and at 100°C over 15 minutes with all types of food except acidic foods with a pH value below 2,5 and the contact at 121°C for 1 hours and at 130°C for 30 minutes with fatty foodstuffs.
Ethanol 10 vol.%	10 days at 40°C	
Ethanol 95% instead of a migration test with fat	4 hours at 60°C (Substitute test for 1 hours at 121°C and 0,5 hours at 130°C)	

Ratio of the surface in contact with the foodstuff to volume (S/V), used to determine the compliance of the material:

$$\frac{F}{V} = 6$$

The following substances with restrictions and/or specification are used in the product mentioned above:

Name of the substance	FCM substance No	Restrictions
1,3,5,-trioxane	255	SML = 5,0 mg/Kg
1,3-dioxolane	363	SML = 5,0 mg/Kg
1,4-butanediol	254	SML = 5,0 mg/dm <sup>2</sup>
1,4-butanediol formal	254	QMA = 0,05 mg/6 dm <sup>2</sup>
melamine (2,4,6-Triamino-1,3,5-triazin)	239	SML = 2,5 mg/Kg
triethylenglykol-bis[3-(3-tert-butyl-4-hydroxy -5-methylphenyl)propionat]	680	SML = 9,0 mg/Kg
formaldehyde	98	SML = 15,0 mg/Kg
tetrahydrofuran	246	SML = 0.6 mg/Kg

SML = specific migration limit in food or in food simulant

QMA = max. permitted quantity in the finished material or article expressed as mg per 6 dm<sup>2</sup> of the surface in contact with foodstuffs.

The following substances\*, which are also approved as food additives („Dual use“), may be contained in the product mentioned above :

Name of the substance	
salts of stearic acid	glycerol
silicon oil	

\* as far as information concerning this point is included in the conformity documents made available by the raw material producer

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# Overensstemmelseserklæring

RIAS A/S bekræfter hermed at nedenstående produkt POM er i overensstemmelse med de nævnte forordninger.



## Declaration of Compliance

for products made of plastic intended to come into contact with foodstuffs

### Product: Sustarin C FG, natural and black coloured (POM-C)

The quality Sustarin C FG can be used safely for the manufacture of finished products for companies which are preparing and processing foodstuffs. The finished products may stand in direct contact with all types of food, except acidic foods with a pH value below 2,5, as far as the Sustarin C FG is concerned. The permitted surface to food mass ratio is about 6 dm<sup>2</sup>/Kg food. It is important that the above mentioned contact times and temperatures are not exceeded.

#### General remark:

The migration tests by an independent accredited institute according to the regulation 10/2011/EU on the formulation of the material mentioned in this declaration of conformity were performed by using different food simulants. The tests were carried out on samples that were machined out of our semi-finished plastics.

Furthermore, it is made sure that only raw materials with an existing verification of suitability (supporting documents) are being used.

It remains the customer's own responsibility to determine the suitability of the plastic components (made of our materials) for the projected application or application conditions (contact time, contact temperature for the respective type of food stuff).

Besides making sure that the material is suitable for the application in general (e.g. chemical resistance against the used cleaning agents), it remains the customer's own responsibility to make sure that the migration limits are kept, if the actual contact conditions exceed those conditions for "intended contact for foodstuffs" mentioned in this declaration of conformity.

#### Organoleptic testing:

The determination of color fastness was carried out on all colored material types (on all non-natural colored types) based on the method of testing for colored utensils made of plastics and other polymers of color fastness, 24th Communication on the testing of plastics, Bundesgesundheitsblatt 15 (1972) 285

Water, 3% acetic acid, 10 % ethanol and olive oil were used as testing simulants. Result: the colorants do not migrate when coming into contact with the previous mentioned food simulants.

Odor- and taste tests were not carried out, because it is not possible to conduct a representative selection of suitable food stuffs and corresponding contact parameters (temperature/time) for our level of process chain, due to the fact that there are almost unlimited number of possible combinations of food stuffs and contact conditions.

The information above is based on the current state of our knowledge. The recipient / user of our products must pay attention to the existing laws and regulations. This declaration is a subject to reevaluation, if there are changes in laws, regulations and directives, raw materials, formulations, converting processes or similar.

\*In case of any changes, new declarations of compliance are published on our website [www.roechling.com](http://www.roechling.com) and the previous declarations of compliance will automatically lose their validity.

### Röchling High-Performance Plastics

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# Leader Clipperlon 2110

## Modified PTFE Gaskets



### DESCRIPTION

<div>  
Modified PTFE gasket material manufactured with bi-axial orientated chains to obtain a tight seal for demanding applications. This material has a rather high compressibility characteristics and low minimum seating stress value. Therefore this material is highly recommended for low torque applications, plastic pipe systems and flanges, as well as glass and ceramic lined equipment. Blue in color and produced with Modified PTFE and hollow glass micro spheres as a filler.  
</div>

### APPLICATION

Specially designed for use in low bolt loaded constructions for sealing applications across whole pH-range: Therefore

extremely suitable for glass, ceramics, and plastic lined or distorted flanges and even flanges with light surface irregularities.

### CHEMICAL COMPATIBILITY

Particularly for use with strong acids (except hydrofluoric acid) and alkalis. Other applications include solvents, fuels, water and oil. A chemical resistance list is available upon request. Pressure up to 800 psi Temperature from -410 °F up to 500 °F

### DELIVERY OPTIONS

Flange gaskets and sheets are available in thickness of 1/64", 1/32", 1/16", 1/8. Standard gaskets can be supplied in accordance with ASME B16.21, EN12560-1 as well as EN1514-1. Non-standard or special gaskets can be manufactured according to

customer drawings, or by given sizes or Edrawing.

### TEMPERATURE

Particularly for use with strong acids (except hydrofluoric acid) and alkalis. Other applications include solvents, fuels, water and oil. A chemical resistance list is available upon request. Pressure up to 800 psi Temperature from -410 °F up to 500 °F

### SEALING CHARACTERISTICS

- non ageing
- significant reduced creep
- low leak rate
- good electrical insulation properties
- outstanding chemical resistance
- excellent seal ability for low torque applications

## TECHNICAL DATA

max Temperature [°C]	260
min Temperature [°C]	-210
max Pressure [bar]	55
density [g/cm <sup>3</sup> ]	1.7
Leakage Specific Leak Rate [DIN 28090-2] [mg/(s*m)]	0.02
Minimum initial stress [DIN E 2505 part 2] [N/mm <sup>2</sup> ]	10
Maximum initial stress [DIN E 2505 part 2] [N/mm <sup>2</sup> ]	150
M-Value	3
Y- Value [psi]	1600
ASTM F36 Recovery [% min]	30
ROTT [Gb]	458
ROTT [a]	0.3
ROTT [Gs]	5.37

### LOCATIONS

905 W.13th Street DEER PARK, TX 77536, USA GLOBAL HEADQUARTERS

8622 South Choctaw Drive BATON ROUGE, LA, USA 70815

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