Presentación de Certificaciones WINCELL

Wincell®

FM APPROVED

UL GREENGUARD

www.safe-energy.cl contacto@safe-energy.cl 56 2 2621 6006 Av. México 1199, Recoleta - Santiago

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FM Approvals Class: 492, para uso en cañerías y ductos aislados (USA)



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Certificate of Compliance

This certificate is issued for the following:

Class 0 Wincell, Class 1 Wincell, WF Wincell, Yinsheng A-Flex and Wincell Sheet Insulations

Prepared for:

Wincell Insulation Co., Ltd.
No.118 Chengjiang West Road, Taixing Economic Development Zone,
Jiangsu, China

FM Approvals Class: 4924

Approval Identification: 3051716 / RR226774 Approval Granted: 2/5/2021

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, online resources of FM Approvals.

Phillip J. Smith
VP - Manager of Materials
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062

FM Approvals
Member of the FM Global Group

Certificado emitido por Factory Mutual, donde aprueba bajo la clase 4924 “Para uso en cañerías y ductos aislados”

https://www.fmapprovals.com/Certification-Services/Certification-Benefits/fm-approved-pipe-and-duct-insulation

GREENGUARD GOLD



Wincell Insulation

See product list below

UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Sectopm 7.1 and 7.2.
Commercial furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2014e Credit 7.6.1, 7.6.2, and 7.6.3. Panel based workstations are modeled in the open plan environment. Casegood systems and individual furniture items are modeled in the private office environment. Seating products are modeled in the seating environment. Classroom furniture is modeled using the standard classroom model in the California Department of Public Health (CDPH) Standard Method v1.2.

Building Products are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.1-2010, using the applicable exporsure scenario.

UL GREENGUARD Certified Products Listing

Product Name	Certification	Status	Certificate Number	Certification Period	Restrictions
Wincell-W1T - level 1 tube	GREENGUARD Gold Certified	Certified	58900-420	07/10/2014-06/05/2021	
Wincell-W1S 1 level Sheet	GREENGUARD Gold Certified	Certified	58901-420	07/10/2014-06/05/2021	
Wincell-W0S - level 0 sheet	GREENGUARD Gold Certified	Certified	58902-420	07/10/2014-06/05/2021	
Wincell-W0S - level 0 sheet	GREENGUARD Gold Certified	Certified	58903-420	07/10/2014-06/05/2021	
Wincell-WSC - color sheet	GREENGUARD Gold Certified	Certified	58904-420	07/10/2014-06/05/2021	
Wincell-WTC - color tube	GREENGUARD Gold Certified	Certified	58905-420	07/10/2014-06/05/2021	
Wincell-WSP - supporting sheet	GREENGUARD Gold Certified	Certified	58906-420	07/10/2014-06/05/2021	
Wincell-WTP - supporting tube	GREENGUARD Gold Certified	Certified	58907-420	07/10/2014-06/05/2021	
Wincell-W1TF - grade 1 tube	GREENGUARD Gold Certified	Certified	58908-420	07/10/2014-06/05/2021	
Wincell-W1SF - grade 1 composite sheet	GREENGUARD Gold Certified	Certified	58909-420	07/10/2014-06/05/2021	
Wincell-W0SF - zero order composite panels	GREENGUARD Gold Certified	Certified	58910-420	07/10/2014-06/05/2021	

"Underwhite Laboratories" certifica que el material da cumplimiento a la UL 2818 (Programa de Certificación de Emisiones Químicas para Materiales de Construcción, Acabados y Mobiliario)

https://www.ul.com/services/ul-greenguard-certification

Certificado UL para componentes plásticos

CERTIFICATE OF COMPLIANCE

Certificate Number	20190722-E319654
Report Reference	E319654-20180831
Issue Date	2019-JULY-22
Issued to:	Wincell Insulation Co Ltd No.3, West Chengjiang 1st Rd. Taixing Economic Development Zone Taixing, Jiangsu 225441 CHINA
This certificate confirms that representative samples of	COMPONENT - PLASTICS Polyvinylchloride/Nitrile Rubber (PVC/NBR) - B-13-1
	Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.
Standard(s) for Safety:	"For standard information please visit UL iQ Plastics Database" (https://my.secure.home1.ul.com/portal/page/portal/usa/iQ/iQWelcome)
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at http://ul.com/aboutul/locations/

Page 1 of 1

UL 94-2013 (Fuego)

SGS CMA 170900340938

TEST REPORT

No. : SHIN1911079817MR
Date : Nov 26, 2019
Page: 1 of 6

CUSTOMER NAME: WINCELL INSULATION COMPANY.,LTD.
ADDRESS: NO.3, WEST CHENGJIANG 1ST RD. TAIXING ECONOMIC DEVELOPMENT ZONE, JIANGSU, CHINA

Sample Name : RUBBER INSULATION MATERIALS

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

****

SGS Ref. No. : 14876380
Date of Receipt : Nov 11, 2019
Testing Start Date : Nov 11, 2019
Testing End Date : Nov 26, 2019
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical Service (Shanghai)Co., Ltd.

Xia Hai
Authorized signatory

TEST REPORT

No. : SHIN1911079817MR
Date : Nov 26, 2019
Page: 2 of 6

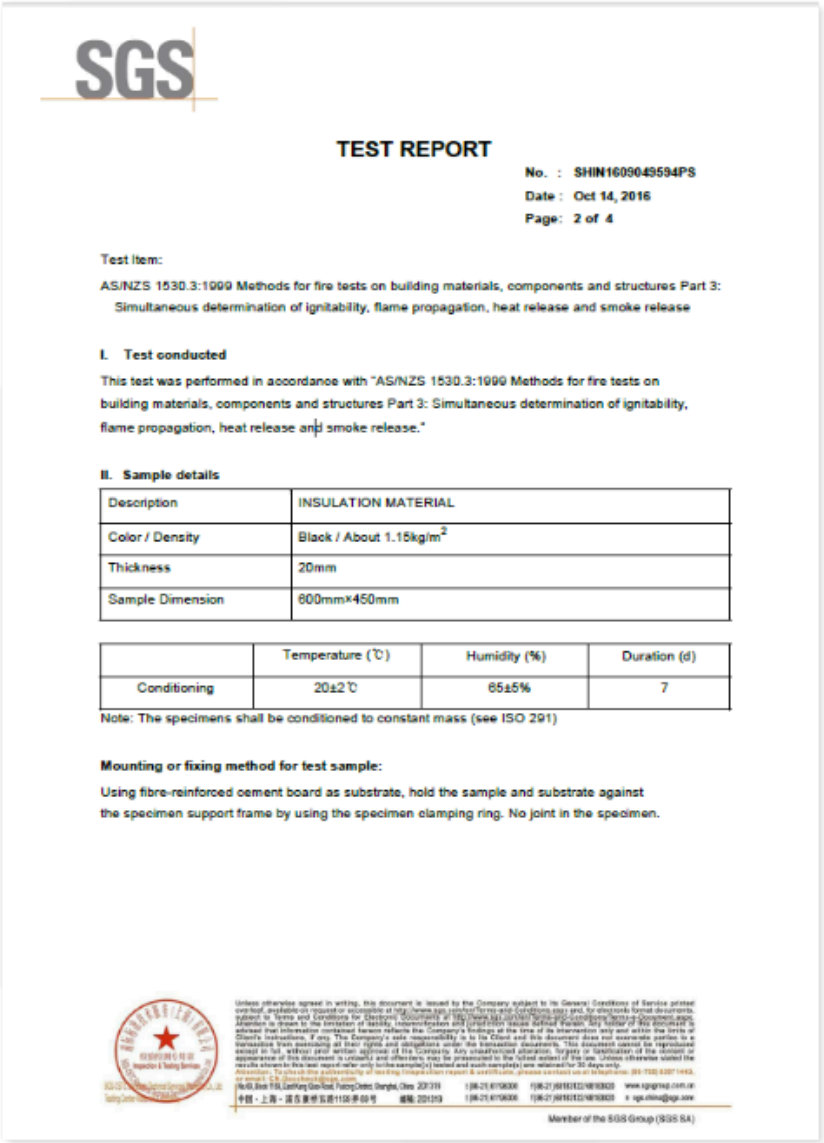
Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Vertical Burning	UL 94-2013 Rev.9-2018 Section 9	Classification: 5VA	Pass

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.

UL 94: Pruebas de inflamabilidad de materiales plásticos para piezas de dispositivos y artefactos

AS/NZS 1530.3:1999 (R2016) (Fuego)



SGS

TEST REPORT

No. : SHIN1609049594PS
Date : Oct 14, 2016
Page: 2 of 4

Test Item:

AS/NZS 1530.3:1999 Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release

I. Test conducted

This test was performed in accordance with "AS/NZS 1530.3:1999 Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release."

II. Sample details

Description	INSULATION MATERIAL
Color / Density	Black / About 1.15kg/m^2
Thickness	20mm
Sample Dimension	600mm×450mm

	Temperature (℃)	Humidity (%)	Duration (d)
Conditioning	20±2℃	65±5%	7

Note: The specimens shall be conditioned to constant mass (see ISO 291)

Mounting or fixing method for test sample:

Using fibre-reinforced cement board as substrate, hold the sample and substrate against the specimen support frame by using the specimen clamping ring. No joint in the specimen.

Norma australiana sobre comportamiento al fuego de materiales de construcción.

https://infostore.saiglobal.com/en-us/Standards/AS-NZS-1530-3-1999-R2016--117636_SAIG_AS_AS_246269/

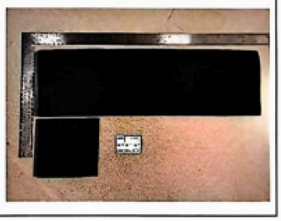
British Standard 476: Part 6 (Fuego)

Test Report

中国认可 国际互认 检测 TESTING CNAS L6069

Report No.	**TC.22.04.001961**
Date of Issue	**05/09/2022**
Applicant:	**Wincell Insulation Co.,Ltd.**
Applicant address:	**NO.118 Chengjiang West Rd., Taixing Economic Development**

Description of the test subject:

Sample	Description	Photo
001	Sample Description: Rubber plastic insulation material Style No.: 20mm Manufacturer: Wincell Insulation Co.,Ltd.	

Receipt Date of Sample:	**04/27/2022**
Date of Testing:	**From 04/27/2022 to 05/06/2022**
Sample Submitted:	**The sample(s) was (were) submitted by applicant and identified.**

Conclusion:

Test Items			Conclusion
No.	Items	Standard	
1	Fire tests on building materials and structures Part 6: Method of test for fire propagation for products	The Building Regulations 2010 Fire safety Approved Document B BS 476-6:1989+A1:2009	Class 0
2	Fire tests on building materials and structures Part 7: Method of test to determine the classification of the surface spread of flame of products	The Building Regulations 2010 Fire safety Approved Document B BS 476-7:1997(R2016)	

Note: (1) The TÜV SÜD SW Rail Transportation Technology (Jiangsu) Co., Ltd. General Terms & Conditions applied, for full content please visit https://www.tuvsud.com/zh-cn/terms-and-conditions. (2) The results relate only to the sample(s) as received. (3) The test report shall not be reproduced except in full without the written approval of the company.

Laboratory:
TÜV SÜD SW Rail Transportation Technology (Jiangsu) Co., Ltd.

Phone: +86/ (0) 519- 8123-9872
Fax: +86/ (0) 519- 8123-9872 ext.123
E-mail: Haixin.Zhao@tuvsud.com
www.tuvsud.com

Regd. Office:
Innovative Industry Park, No. 377 Wuyinan Road, National High and New Technology & Industry Development Zone, Wujin, 213015 P.R. China

Estándar británico de comportamiento al fuego

https://www.firesafe.org.uk/british-standard-476-fire-tests/

EN 14304: 2009+A1: 2013 (Comunidad Europea)(Fuego)



Notifikovaná osoba č. 1301

TECHNICKÝ A SKÚŠOBNÝ ÚSTAV STAVEBNÝ, n. o.
BUILDING TESTING AND RESEARCH INSTITUTE
Studená 3, 821 04 Bratislava, Slovenská republika

Certificate of constancy of performance

1301 – CPR – 1153

In compliance with Regulation (EU) No 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Thermal insulation products (sheets and tubes) of flexible elastomeric foam (FEF), trade name Wincell
Sheet Wincell – Reaction to fire: Euroclass CL – s3, d0
Tube Wincell – Reaction to fire: Euroclass BL – s3, d0

with the intended use as thermal insulation for building equipment and industrial installations.

Placed on the market under the name of

Wincell Insulation Co., Ltd.
No. 18-28, Tongjiang Road, Taizhou city, Jiangsu Province
China

and produced in the manufacturing plant

Wincell Insulation Co., Ltd.
No. 18-28, Tongjiang Road, Taizhou city, Jiangsu Province
China

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 14304: 2009+A1: 2013

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product

concerning the reaction to fire.

This certificate was first issued on 29. March 2016 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Bratislava, 29 March 2016

Technický a skúšobný ústav stavebný, n. o. - 1 - Notifikovaná osoba 1301

Dipl. Ing. Daša Kozáková
Head of Notified Body 1301

076760

Características principales	Rendimientos	Test Estándar	Norma técnica armonizada
Reacción al fuego	E	EN 13501	EN 14304:2009+A1:2013
Índice de absorción acústica	NPD	-	
Resistencia térmica	λ(0°C) (Declarado)= 0,036 W/m°K λ(40°C) (Declarado)=0,04 W/m°K	EN 13787	
Permeabilidad al agua	WS <0,1%	EN 13472	
Permeabilidad al vapor de agua μ	7000	EN 12086	
Ratio de liberación de sustancias corrosivas	Cl^-<500ppm; pH=7±0,5	EN 13468	
Temperatura mínima de trabajo (Duración de la Resistencia térmica frente al envejecimiento/degradación)	0°C	-	
Temperatura máxima de trabajo (Duración de la Resistencia térmica frente a la alta temperatura)	110°C	EN 14706 EN 14707	

ASTM E84-2017 (Fuego)

Test Report **No. AJFS1711010695FF** **Date: DEC.15, 2017** **Page 1 of 6**

WINCELL INSULATION CO., LTD
NO.18-28 TONGJIANG ROAD, TAIXING, JIANGSU, PRC

The following sample(s) was / were submitted and identified on behalf of the client as:
Sample Description: NBR RUBBER INSULATION MATERIAL
SGS Ref No.: 13854241

Test Requested:
To determine the flame spread index (FSI) and smoke-developed index (SDI) of the sample's surface burning characteristics when it is subjected to the conditions of specified in ASTM E84-2017 "Standard Test Method for Surface Burning Characteristics of Building Materials"

Test Results: -- See attached sheet –

Test Period:

Sample Receiving Date	:	NOV.28, 2017
Test Performing Date	:	NOV.28, 2017 TO DEC.13, 2017

Signed for and on behalf of
SGS-CSTC Co., Ltd. Anji Branch

Allen Zou
Technical Manager

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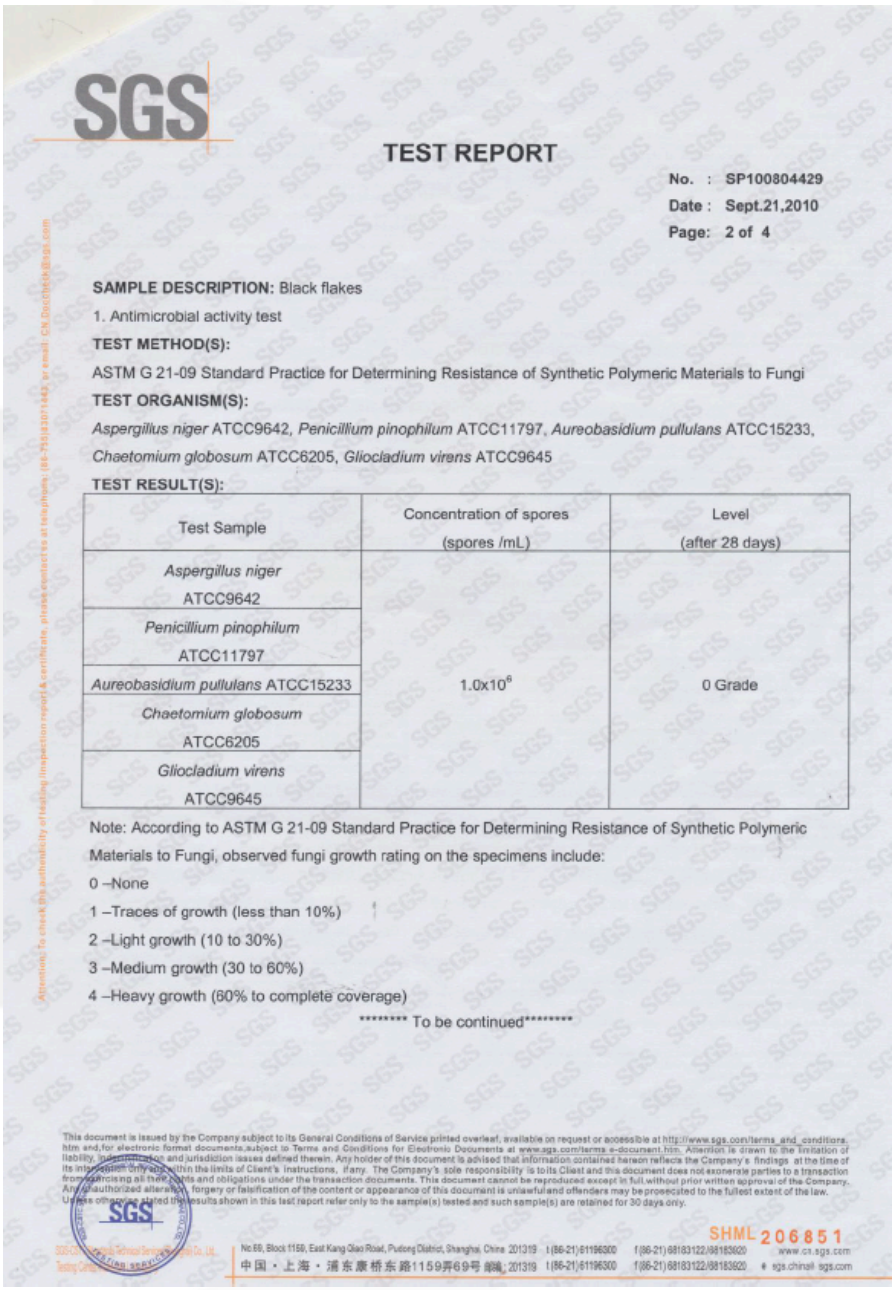
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No. 3(1), Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5038825 f (86-572) 5038823 www.sgsgroup.com.cn
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编: 313300 t (86-572) 5038825 f (86-572) 5038823 e sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Método de prueba estándar características de combustión superficial de los materiales de construcción

ASTM G21-09 (Resistencia a los hongos)



SGS

TEST REPORT

No. : SP100804429
Date : Sept.21,2010
Page: 2 of 4

SAMPLE DESCRIPTION: Black flakes

1. Antimicrobial activity test

TEST METHOD(S):

ASTM G 21-09 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi

TEST ORGANISM(S):

Aspergilius niger ATCC9642, *Penicillium pinophilum* ATCC11797, *Aureobasidium pullulans* ATCC15233, *Chaetomium globosum* ATCC6205, *Gliocladium virens* ATCC9645

TEST RESULT(S):

Test Sample	Concentration of spores (spores /mL)	Level (after 28 days)
Aspergillus niger ATCC9642	$1.0x10^6$	0 Grade
Penicillium pinophilum ATCC11797		
Aureobasidium pullulans ATCC15233		
Chaetomium globosum ATCC6205		
Gliocladium virens ATCC9645		

Note: According to ASTM G 21-09 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi, observed fungi growth rating on the specimens include:

0 –None

1 –Traces of growth (less than 10%)

2 –Light growth (10 to 30%)

3 –Medium growth (30 to 60%)

4 –Heavy growth (60% to complete coverage)

******** To be continued********

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SHML 206851

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中国·上海·浦东康桥东路1159弄69号 邮编: 201319 t (86-21) 61196300 f (86-21) 68183122/68183620 e sgs.china@ sgs.com

ASTM G21-09 Práctica estándar para determinar la resistencia de los materiales poliméricos sintéticos a los hongos.



PROYECTOS EMBLEMÁTICOS WINCELL

NORTE

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Hospital La Serena

Hotel NH Iquique

Cesfam Altiplano Norte

Cesfam Copiapó

Cesfam Vallenar Sur

CENTRO

Nuevo Aeropuerto de Santiago

Hospital Félix Bulnes

Hospital San José de Melipilla

Clínica Indisa Maipú

Hospital Higueras

Data center Sonda

Data center Google

Cesfam Matta Sur, Santiago

CCU Santiago

Hotel Ibis

Hospital Curicó

Hotel Hyatt Viña Del Mar

SUR

Hospital Villarrica

Hospital San Carlos de Ancud

Hospital San Agustín Collipulli

Aeropuerto el Tepual

PDI Osorno

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Cesfam Thomas Fenton Punta Arenas

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