

Research Update:

Ratings On Chang Chun Plastics And Chang Chun Petrochemical Affirmed At 'twAA-/twA-1+'; **Outlook Stable**

May 31, 2021

Rationale Action Rationale

Taiwan Ratings Corp. today affirmed its 'twAA-' long-term and 'twA-1+' short-term issuer credit ratings on Taiwan-domiciled Chang Chun Plastics Co. Ltd. and Chang Chun Petrochemical Co. Ltd., the two core companies of the Chang Chun group. The outlook on the long-term ratings remains stable.

The ratings reflect the Chang Chun group's leading regional market position for some specialty chemicals and copper foil, the group's broad product mix and diverse endapplications, highly integrated production, good product and process technology, and relatively stable profitability. The ratings affirmation also reflects our view that the group will improve and sustain its ratio of debt to EBITDA at about 0.5x over the next two years. We also believe the group will sustain its good cash flow generation to support its planned expansion in China, Taiwan, and the U.S., without materially increasing its debt leverage over the same period.

The strengths are offset by the group's lack of integration into basic feedstock chemicals such as ethylene and propylene, the high volatility in product prices and margins for its products with intense competition, limited entry barriers for most of its products, and the group's limited scale and technology resources compared with other larger peers'.

Related Criteria & Research

Related Criteria

- General Criteria: Group Rating Methodology July 01, 2019
- Criteria | Corporates | General: Corporate Methodology: Ratios And Adjustments April 01, 2019
- Criteria | Corporates | General: Methodology And Assumptions: Liquidity Descriptors For Global Corporate Issuers - December 16, 2014
- General Criteria: Country Risk Assessment Methodology And Assumptions November 19,
- General Criteria: Methodology: Industry Risk November 19, 2013
- Criteria | Corporates | General: Corporate Methodology November 19, 2013

PRIMARY CREDIT ANALYST

David Hsu

Taipei +886-2-2175-6828 david.hsu @spglobal.com david.hsu @taiwanratings.com.tw

SECONDARY CONTACT

Raymond Hsu, CFA

Taipei +886-2-2175-6827 ravmond.hsu @spglobal.com ravmond.hsu @taiwanratings.com.tw

rrs.taiwanratings.com.tw May 31, 2021

Research Update: Ratings On Chang Chun Plastics And Chang Chun Petrochemical Affirmed At 'twAA-/twA-1+'; Outlook Stable

- General Criteria: Methodology: Management And Governance Credit Factors For Corporate Entities - November 13, 2012
- General Criteria: Methodology For National And Regional Scale Credit Ratings June 25, 2018
- General Criteria: Principles Of Credit Ratings February 16, 2011

Related Research

- Taiwan Ratings' Ratings Definitions - August 10, 2020

(Unless otherwise stated, these articles are published on www.taiwanratings.com)

Ratings List

Ratings Affirmed

Chang Chun Plastics Co. Ltd.	
Issuer Credit Rating	twAA-/Stable/twA-1+
Chang Chun Petrochemical Co. Ltd.	
Issuer Credit Rating	twAA-/Stable/twA-1+

Certain terms used in this report, particularly certain adjectives used to express our view on rating relevant factors, have specific meanings ascribed to them in our criteria, and should therefore be read in conjunction with such criteria. Please see Ratings Criteria at www.taiwanratings.com for further information. Complete ratings information is available to subscribers of Rating Research Service at rrs.taiwanratings.com.tw. All ratings affected by this rating action can be found on Taiwan Ratings' public website at www.taiwanratings.com.

Copyright @ by Taiwan Ratings Corp. All rights reserved.

rrs.taiwanratings.com.tw May 31, 2021

Research Update: Ratings On Chang Chun Plastics And Chang Chun Petrochemical Affirmed At 'twAA-/twA-1+'; Outlook Stable

Copyright © 2021 by Taiwan Ratings Corporation (TRC). All rights reserved.

No content (including ratings, credit-related analyses and data, valuations, model, software or other application or output therefrom) or any part thereof (Content) may be modified, reverse engineered, reproduced or distributed in any form by any means, or stored in a database or retrieval system, without the prior written permission of TRC. The Content shall not be used for any unlawful or unauthorized purposes. TRC and any third-party providers, as well as their directors, officers, shareholders, employees or agents (collectively TRC Parties) do not guarantee the accuracy, completeness, timeliness or availability of the Content. TRC Parties are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, for the results obtained from the use of the Content, or for the security or maintenance of any data input by the user. The Content is provided on an "as is" basis. TRC DISCLAIMS ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE CONTENT'S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE CONTENT WILL OPERATE WITH ANY SOFTWARE OR HARDWARE CONFIGURATION. In no event shall TRC be liable to any party for any direct, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs or losses caused by negligence) in connection with any use of the Content even if advised of the possibility of such damages.

Credit-related and other analyses, including ratings, and statements in the Content are statements of opinion as of the date they are expressed and not statements of fact. TRC's opinions, analyses and rating acknowledgment decisions (described below) are not recommendations to purchase, hold, or sell any securities or to make any investment decisions, and do not address the suitability of any security. TRC assumes no obligation to update the Content following publication in any form or format. The Content should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions. TRC does not act as a fiduciary or an investment advisor except where registered as such. While TRC has obtained information from sources it believes to be reliable, TRC does not perform an audit and undertakes no duty of due diligence or independent verification of any information it receives. Rating-related publications may be published for a variety of reasons that are not necessarily dependent on action by rating committees, including, but not limited to, the publication of a periodic update on a credit rating and related analyses.

To the extent that regulatory authorities allow a rating agency to acknowledge in one jurisdiction a rating issued in another jurisdiction for certain regulatory purposes, TRC reserves the right to assign, withdraw or suspend such acknowledgement at any time and in its sole discretion. TRC disclaims any duty whatsoever arising out of the assignment, withdrawal or suspension of an acknowledgment as well as any liability for any damage alleged to have been suffered on account thereof.

TRC keeps certain activities of its business units separate from each other in order to preserve the independence and objectivity of their respective activities. As a result, certain business units of TRC may have information that is not available to other TRC business units. TRC has established policies and procedures to maintain the confidentiality of certain non-public information received in connection with each analytical process.

TRC receives compensation for its solicited ratings and certain analyses, normally from issuers, originators, arrangers, or underwriters of securities or from obligors. TRC reserves the right to disseminate its opinions and analyses. TRC's public ratings and analyses are made available on its Web sites, www.taiwanratings.com (free of charge), and rrs.taiwanratings.com.tw (subscription), and may be distributed through other means, including via TRC publications and third-party redistributors. Please click here for any other conflict of interests that may affect the credit rating as requested by the regulator.

rrs.taiwanratings.com.tw May 31, 2021