

CMC (THAILAND) AT A GLANCE

In the direction of offering limitless solutions to papermaking industrial, CMC (Thailand) was established on 2018 to focus on developing extensive range of colorants to expand our service areas that can fulfill the industrial's requirements. We are building on the steps toward to the most comprehensive paper chemical company.

CMC (Thailand) started in order to promote sales and to research the requirements of customers apart from China, so that we can more vigorously answer back to the market.

We offer various types of dyes and pigments together with CMC's high quality AKD Neutral, Alkaline Sizing Agent, Defoamer, Wet Strength Agent, Coating Latex as well as Bactericide, Retention Aid Agents, Coating Aid Agents and Sewage Treatment Agent.

We are totally committed to providing our valued business partners with quality products and solutions that match their need in every aspect.

CMC GROUP HISTORY

Guangdong Chengming Chemical S&T Co., Ltd. was founded and invested by Cheng Ming (H.K.) Limited (Old Name: Hongkong International Paper Chemicals S&T Co.Ltd.) and it sets up 3 production Bases and 1 overseas branch;

2003 Dongguan Longfeng Industrial
2013 Nantong Tenglong Chemical S&T
2017 Guangdong Tenglong Chem S&T
2018 Cheng Ming Chemical (Thailand)

The company is a modern high-tech papermaking chemical enterprise specializing in the production of AKD neutral, alkaline sizing agent, surface sizing agent and dry strength agent for papermaking as well as providing technical services (providing total solution service), with the production of bactericide, retention aid agents, coating aid agents and sewage treatment agent as secondary businesses.

Chengming Chemical constructed factories with a high starting point, high-profile design ideas and equipment. The company has passed the ISO9001 quality management system certification and is coupled with professional quality management team to guarantee good quality and stability of the products and ensure to provide customers with first class products.

Chengming Chemical has more than 500 employees and has set up a well-equipped and strong R&D center to develop specific products according to different needs of customers.

With over 15 years of effort, the company has been recognized by the market and we will keep pace with the times, struggle to technological innovation and continue to enhance our core competitiveness. We will adhere to the principle of customer-orientation, and create greater value for our customers with excellent quality and first-class service!

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PLASTIC PIGMENTS

The world's most trusted in dyestuffs and chemical company



Solvent dyes for PET fiber masterbatch

| No. | Product Name/ C.I. No. | Heat Resistance/ °C |
|-----|---------------------------|---------------------|
| 01. | Solvent Red 52 | 300 |
| 02. | Solvent Red 135 | 280 |
| 03. | Solvent Red 179 | 280 |
| 04. | Solvent Red 195 | 300 |
| 05. | Solvent Red 196 | 300 |
| 06. | Solvent Red 197 | 300 |
| 07. | Solvent Red 207 | 300 |
| 08. | Solvent Violet 13 | 280 |
| 09. | Solvent Violet 14 | 300 |
| 10. | Solvent Violet 31 | 300 |
| 11. | Solvent Violet 36 | 300 |
| 12. | Solvent Violet 59 | 300 |
| 13. | Disperse Violet 57 | 300 |
| 14. | Solvent Blue 97 | 280 |
| 15. | Solvent Blue 104 | 280 |
| 16. | Solvent Blue 122 | 300 |
| 17. | Solvent Blue 3R | 300 |
| 18. | Solvent Green 3 | 280 |
| 19. | Solvent Green 28 | 280 |
| 20. | Solvent Yellow 114 | 280 |
| 21. | Solvent Yellow 160:1 | 300 |
| 22. | Solvent Yellow 163 | 300 |
| 23. | Solvent Orange 60 | 300 |
| 24. | Solvent Orange 63 | 300 |
| 25. | Solvent Orange 107 | 300 |

Solvent dyes for PET liquid masterbatch

| No. | Product Name/ C.I. No. | Heat Resistance/ °C |
|-----|---------------------------|---------------------|
| 01. | Solvent Red 135 | 280 |
| 02. | Solvent Red 179 | 280 |
| 03. | Solvent Red 207 | 300 |
| 04. | Solvent Blue 97 | 280 |
| 05. | Solvent Blue 104 | 280 |
| 06. | Solvent Green 3 | 280 |
| 07. | Solvent Green 28 | 280 |
| 08. | Solvent Yellow 93 | 280 |
| 09. | Solvent Yellow 114 | 280 |

Solvent dyes and organic pigment for PA

| No. | Product Name/ C.I. No. | Heat Resistance/ °C | Equivalent Grade |
|-----|---------------------------|---------------------|-------------------------|
| 01. | Solvent Red 149 | 300 | Sumiplast Red HFG (SFC) |
| 02. | Solvent Red 151 | 300 | - |
| 03. | Solvent Red 179 | 300 | Macrolex Red E 2G (BAY) |
| 04. | Solvent Yellow 21 | 300 | Filamid yellow R CIBA |
| 05. | Solvent Yellow 104 | 300 | Keyplast Yellow F |
| 06. | Solvent Blue 67 | 300 | Filester Blue GN (CIBA) |
| 07. | Solvent Blue 97 | 300 | Macrolex Blue RR (BAY) |
| 08. | Solvent Blue 132 | 300 | Filamid blue R CIBA |
| 09. | Solvent Green 28 | 300 | Macrolex Green (BAY) |
| 10. | Pigment Blue 60 | 300 | BASF L6480 |
| 11. | Pigment Red 202 | 300 | CIBA RT-343-D |
| 12. | Pigment Yellow 147 | 300 | Clariant RL (for PA) |
| 13. | Pigment Yellow 150 | 300 | - |
| 14. | Pigment Yellow 192 | 300 | Clariant RL |
| 15. | Pigment Violet 23 Rlp | 300 | - |
| 16. | Pigment Violet 29 | 300 | BASF K5011 |
| 17. | Pigment Orange 68 | 300 | - |

Solvent dyes and organic pigment for ABS, PS, PC

| No. | Product Name/ C.I. No. | Heat Resistance/ °C | Equivalent Grade |
|-----|---------------------------|---------------------|------------------------------------|
| 01. | Solvent Orange 60 | 300 | Macrolex Orange 3G Granulate/FG |
| 02. | Solvent Blue 104 | 300 | - |
| 03. | Solvent Green 3 | 280 | Macrolex Green 5B Granulate/FG |
| 04. | Solvent Green 28 | 300 | Macrolex Green G Granulate/FG |
| 05. | Pigment Yellow 183 | 300 | Yellow K 2270 |
| 06. | Pigment Yellow 191:1 | 280 | Cromophthal Yellow HRP |
| 07. | Pigment Yellow 110 | 250 | - |
| 08. | Solvent Yellow 114 | 300 | - |
| 09. | Solvent Yellow 93 | 280 | - |
| 10. | Solvent Yellow 160:1 | 300 | Macrolex Fluorescent Yellow 10GN |
| 11. | Pigment Brown 25 | 290 | Clariant HFR |
| 12. | Pigment Violet 23 | 250 | - |
| 13. | Solvent Violet 13 | 280 | Macrolex Violet B Granulate FG/TR. |
| 14. | Solvent Red 149 | 300 | Sumiplast Red HF5G |
| 15. | Solvent Red 179 | 280 | Macrolex Red E2G Granulate/FG |
| 16. | Solvent Red 135 | 300 | Macrolex Red EG Granulate/FG |
| 17. | Pigment Red 149 | 300 | - |
| 18. | Pigment Red 242 | 260 | - |
| 19. | Pigment Red 254 | 260 | - |
| 20. | Pigment Red 122 | 250 | Macrolex Red EG Granulate/FG |



Organic pigments for EVA

| No. | Product Name/ C.I. No. | Heat Resistance/ °C | Equivalent Grade | Equivalent Grade | Heat Resistance |
|-----|---------------------------|--|---|----------------------|-----------------|
| 01. | PB-15:0 | Reddish than normal grade | EVA | - | 170°C x15min |
| 02. | PR-48:2 | Bluish dark red, Opaque, anti-migration | EVA | TKC Red C-486 | 175°C x15min |
| 03. | PR-48:3 | Yellowish red, Opaque, anti-migration, 240°C heat stability | EVA | Ciba Red 2BSP | 175°C x15min |
| 04. | PR-53:1 | Low content can be used for food contact packing | PE, PP, EVA | Clariant Red LG | 175°C x15min |
| 05. | PR-53:1-02 | High concentration, 270°C heat stability | E, PP, PVC, EVA, High Concentration, Master batch | Clariant Red LC | 175°C x15min |
| 06. | PR-170 F5 | Opaque anti-migration | PVC, PO, PU, Water-based ink, Powder coating | Clariant Red F5RK | 165°C x10min |
| 07. | PO-13 | Yellowish orange | PE, PP, EVA, Printing ink, Coating | - | 165°C x10min |
| 08. | PO-16 | Reddish than Pigment orange 13 and Orange 34, 180°C heat stability | PE, PP, EVA, Printing ink, Coating | - | 165°C x10min |
| 09. | PO-34 | Brilliant and pure yellowish orange, shade similar to orange 13, weather resistance is higher than orange 13 | PE, PP, EVA, Printing ink, Coating | - | 165°C x10min |
| 10. | PY-12 | Reddish than normal pigment yellow 12, transparent one | Printing ink, Coating, PE, PP, EVA | - | 165°C x10min |
| 11. | PY-13 | High covering power, reddish, 240°C heat stability | PE, PP, PVC, Printing ink, EVA, Coating | Clariant Yellow GR | 165°C x10min |
| 12. | PY-14 | Greenish and brilliant than normal pigment yellow 14 | PE, PP, Printing ink, Coating, EVA | - | 165°C x10min |
| 13. | PY-14-02 | Reddish pigment yellow 14, shade similar to Pigment yellow 55, more brilliant than pigment yellow 55 | PE, PP, EVA, Printing ink, Coating | - | 165°C x10min |
| 14. | PY-81 | Strong greenish yellow, 240°C heat stability, antimigration | PVC, PE, PP, PU, Master batch, EVA, Paste, Printing ink, Coating | Clariant Yellow H10G | 175°C x15min |
| 15. | PY-83 | Reddish yellow, 240°C heat stability, anti-migration, transparent one | PVC, PE, PP, PU, Master batch, EVA, Paste, Printing Ink, Coating | Clariant Yellow HR02 | 175°C x15min |
| 16. | PY-83-02 | Semi-transparent, high concentration, good property | PVC, PE, PP, PU, High Concentration, Master batch EVA, Paste, Printing Ink, Coating | Clariant Yellow HR02 | 175°C x15min |

PET (PETG) tackify toughening agent

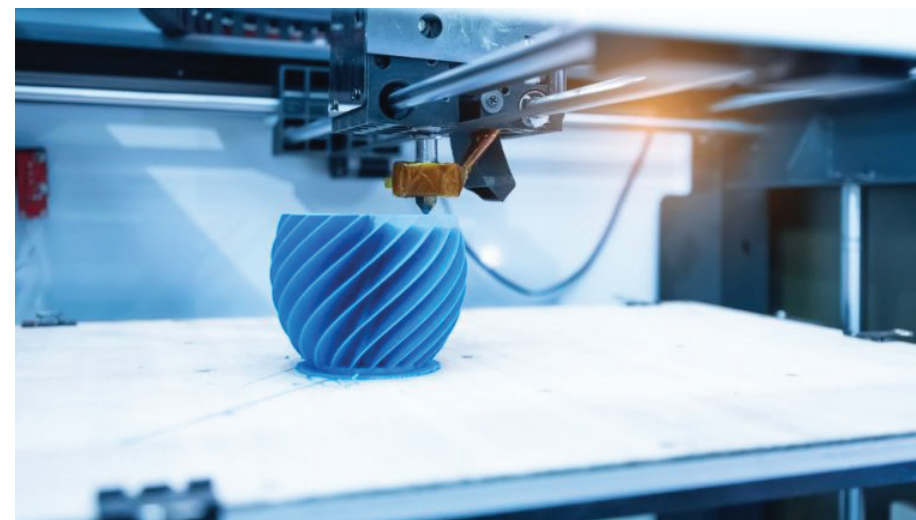
| Properties | Traditional IV Enhancer for PET | DCC-ZR02 |
|----------------------------|---------------------------------|--------------------------------|
| Viscosity | 10% higher | 23% higher |
| Mechanical Properties | Decrease | Improve |
| Transparency, Glossy | Worse, with crystal point | Improve, without crystal point |
| Heat Resistance | No obvious change | Improve to 73 DegC |
| Low Temperature Resistance | | Improve to -40 DegC |
| Chemical Resistance | Worse | Better |
| Application Range | Recycle PET | Virgin PET and Recycle PET |

Dripping and anti-fogging agent

B8203 is a kind of water based additives, mainly used as dripping and anti-fogging agent for coated agricultural film. It is non-toxic and non-polluting with the advantage of fast dripping and long term durability of anti-fogging effect.

Fillers for polymer and coating

Wollastonite/ Milled Fiber Glass/ Natural Silica/ ATH
Natural minerals, No REACH requirements



We are Reached

Reach registered and ROHS/EN71-3/AP89-1 approved product

| No. | Product Name/ C.I. No. | SDS (Year) | Registration (OR) | ROHS | EN71-3 | AP89-1 |
|--|---------------------------|------------|-------------------|------|--------|--------|
| 01. | Pearl Pigment DCC 153 | 2018 | Yes | - | - | - |
| 02. | Pearl White 121 | 2018 | Yes | ■ | ■ | ■ |
| 03. | Pigment Pearl White 110 | 2018 | Yes | ■ | ■ | ■ |
| 04. | Preal Pigment DCC 7215 | 2018 | Yes | ■ | ■ | ■ |
| 05. | Pigment Red 170 F3 | 2018 | Yes | ■ | ■ | ■ |
| 06. | Pigment Red 170 F5 | 2018 | Yes | ■ | ■ | ■ |
| 07. | Pigment Red 48:2 | 2018 | Yes | ■ | ■ | ■ |
| 08. | Pigment Red 48:3 | 2018 | Yes | ■ | ■ | ■ |
| 09. | Pigment Red 53:1 | 2018 | Yes | ■ | ■ | ■ |
| 10. | Pigment Yellow 13 | 2018 | Yes | ■ | ■ | ■ |
| 11. | Pigment Yellow 147 | 2018 | Yes | ■ | ■ | ■ |
| 12. | Pigment Yellow 168 | 2018 | - | ■ | ■ | ■ |
| 13. | Pigment Yellow 17 | 2018 | - | ■ | ■ | ■ |
| 14. | Pigment Yellow 191 | 2018 | Yes | ■ | ■ | ■ |
| 15. | Pigment Yellow 191:1 | 2018 | - | ■ | ■ | ■ |
| 16. | Pigment Yellow 62 | 2018 | - | ■ | ■ | ■ |
| 17. | Pigment Yellow 83 HR | 2018 | Yes | ■ | ■ | ■ |
| 18. | Pigment Yellow 110 (3R) | 2018 | Yes | ■ | ■ | ■ |
| 19. | Pigment Red 122 | 2018 | Yes | ■ | ■ | ■ |
| 20. | Solvent Blue 104 | 2018 | Yes | ■ | ■ | ■ |
| 21. | Solvent Blue 122 | 2018 | - | ■ | ■ | ■ |
| 22. | Solvent Blue 35 | 2018 | - | ■ | ■ | ■ |
| 23. | Solvent Blue 67 | - | - | ■ | ■ | ■ |
| 24. | Solvent Green 3 | 2018 | Yes | ■ | ■ | ■ |
| 25. | Solvent Orange 60 | 2018 | Yes | ■ | ■ | ■ |
| 26. | Solvent Orange 63 | 2018 | - | ■ | ■ | ■ |
| 27. | Solvent Red 135 | 2018 | Yes | ■ | ■ | ■ |
| 28. | Solvent Red 207 | 2018 | - | ■ | ■ | ■ |
| 29. | Solvent Violet 13 | 2018 | Yes | ■ | ■ | ■ |
| 30. | Solvent Violet 59 | 2018 | - | ■ | ■ | ■ |
| 31. | Solvent Yellow 72 | 2018 | - | ■ | ■ | ■ |
| 32. | Solvent Yellow 93 | 2018 | Yes | ■ | ■ | ■ |
| 33. | Solvent Yellow 114 | - | - | ■ | ■ | ■ |
| <p>More REACH registered products:</p> <p>Optical brightener OB-1, Chrome oxide green, Iron oxide pigments</p> <p>Pigment red 2/57:1/81/144/146/166/169/214/242/254/269</p> <p>Pigment yellow 12/14/17/74/93/95/110/128/139/151/154/155/174/180/183/194</p> <p>Pigment orange 5/13/34/36/64</p> <p>Pigment violet 23, Pigment brown 25, Solvent red 52/179</p> | | | | | | |

We are selecting right colors our customers

Our lab test methods



Service

Service Plastic offers a comprehensive range of laboratory testing services to help our customers gain a complete understanding of all aspects of material formulation and performance



We are providing our clients with a wide gamut of Plastic Injection Moulded Components. The components offered by us are manufactured in compliance with international quality standards using optimum quality plastic and the latest technology.