

# Survey of Fluor Polymer in China

The Third Edition

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**Kcomber Inc.**

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## 1. Introduction

The report provides you with detailed information of the fluor polymer industry in China, including major fluor resin and fluor rubber manufacturers, production capacity, price analysis, import and export, and future forecasts.

The key points of this report are listed as below:

- ✓ Fluor polymer development in China
- ✓ Production of fluor polymer in China
- ✓ Import and export analysis
- ✓ Price analysis of fluor polymer in China
- ✓ Future forecast

## **2. Approach for this report**

The report is drafted by diverse methods as follows:

### **1) Desk research**

The sources of desk research are various, including published magazines, journals, government statistics, industrial statistics, customs statistics, association seminars as well as information from the Internet. A lot of work is done on the compilation and analysis of the obtained information. Where necessary, checks are made with all kinds of suppliers regarding market information such as key producers, key end-users, production, consumption, export, demand and so on.

### **2) Telephone interviews**

CCM has carried out extensive telephone interviews in order to track the actual market situation of the fluorine industry in China.

Interviewees cover:

- Major producers of fluor polymer
- Major producers of fluor rubber
- Major producers of semi-finished products
- Major producers of finished products
- Major traders
- Suppliers of fluorspar, AHF, HCFC-22 and HFP
- Associations

### **3) Network search**

CCM employs a network to contact industry participants by using B2B website and software.

### **4) Data processing and presentation**

The data collected and compiled is variously sourced from:

- CCM's database
- Published articles from periodicals, magazines, journals and third party databases
- Statistics from governments and international institutes
- Telephone interviews with domestic producers, joint ventures, service suppliers and government agencies
- Third-party data providers
- Customs statistics

- Comments from industrial experts
- Information from the Internet

The data is combined and cross-checked to ensure that this report is as accurate and methodologically sound as possible. Throughout the process, a series of discussions are held within CCM to systematically analyse the data and draw appropriate conclusions.

### 3. Executive summary

There are two main varieties of fluoropolymer in China, including fluoropolymer resin and fluoropolymer rubber. In H1 2020, the capacity of fluoropolymer was more than XXX t/a in China, and the output of fluoropolymer was about XXX tonnes.

According to the "13th Five-Year Plan" for development of China's fluorine chemical industry, fluoropolymer is the main development direction to improve industrial concentration and the proportion of medium- and high-end products. Fluoropolymer resin focuses on the development of special and modified PTFE, high-quality functional PVDF, high-speed processing cable FEP and other special fluorine materials. Fluoropolymer rubber focuses on the development of high-performance 246 fluoropolymer rubber, fluorine-containing polyurethane and other rubber materials. The plan also points out that by 2020, the capacity of PTFE, PVDF and FEP would be controlled at XXX t/a, XXX t/a and XXX t/a respectively; the capacity of fluoropolymer rubber be controlled at XXX t/a.

As of H1 2020, the capacity of PTFE, PVDF and FEP were XXX t/a, XXX t/a and XXX t/a respectively, and the output were XXX tonnes, XXX tonnes and XXX tonnes respectively. The capacity and output of fluoropolymer rubber were XXX t/a and XXX tonnes respectively.

In 2015–H1 2020, with the rapid development of China's economy and the improvement of industrial added value, coupled with abundant fluorite raw materials, fluoropolymer entered a period of rapid growth, especially fluoropolymer resin, which developed very quickly in China. However, compared with foreign capital and foreign enterprises, there is still a certain gap in the product brand of fluoropolymer and technology in China, showing that fluorinated enterprises still have a lot of room for development.

#### 4. What is in the report?

*Note: Key data/information in this sample page is hidden, while in the report it is not.*

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### 2.3 Raw materials

#### 2.3.1 Fluorite

##### 2.3.1.2 Production situation

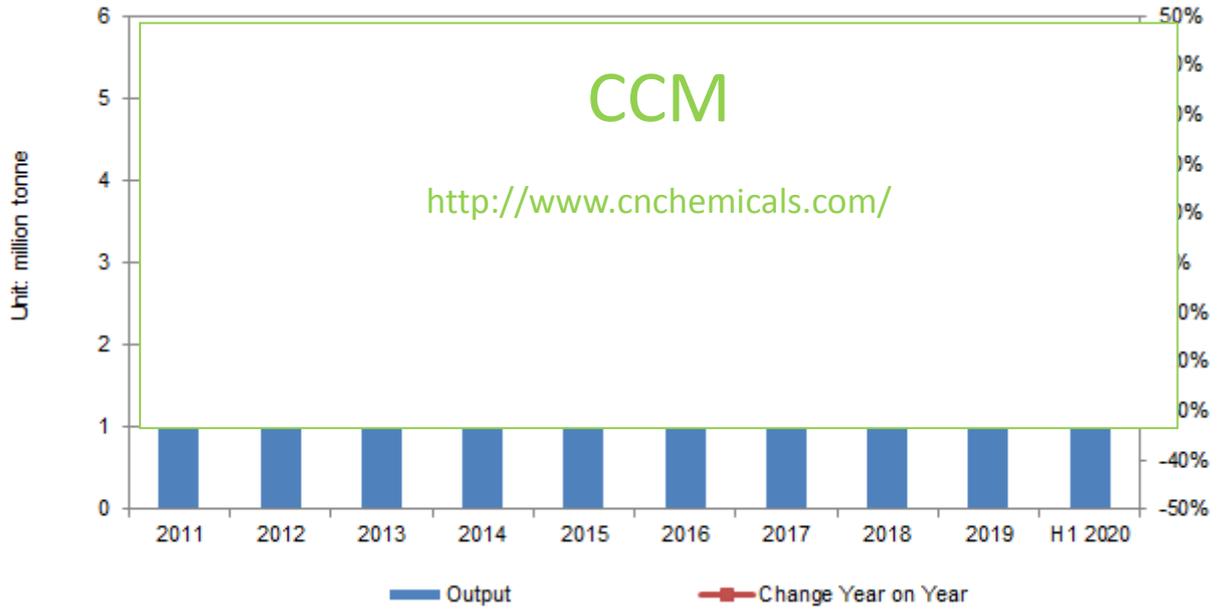
According to USGS, fluorite reserves in China increased from XXX million tonnes in 2014 to XXX million tonnes in 2019, with a CAGR of XXX%.

Figure 2.3.1.1-2 Fluorite reserves in China, 2014–2019



Source: USGS

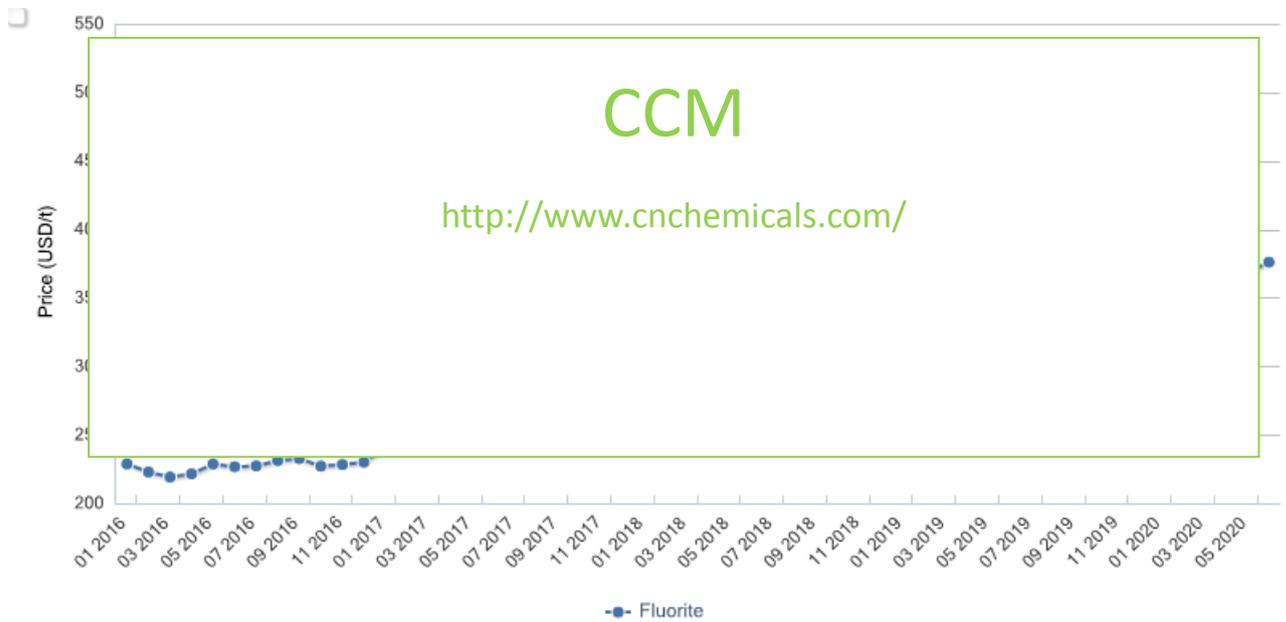
Figure 2.3.1.2-1 Fluorite production in China, 2011–H1 2020



Source: CCM

### 2.3.1.3 Price

Figure 2.3.1.3-1 Monthly ex-works price of fluorite (CaF<sub>2</sub>>97%) in China, Jan. 2016–June 2020



Source: CCM

### 2.3.1.4 Export and import

In 2019, China's import volume of fluorite ( $\text{CaF}_2 > 97\%$ ) was XXX tonnes, up by XXX% year on year and grew at a CAGR of XXX% during 2016–2019; the export volume was XXX tonnes, down by XXX% year on year. The main reason for the surge in import in 2018 and 2019 was that fluorite had been in short supply. In H1 2020, the import volume was XXX tonnes and the export volume was XXX tonnes.

Table 2.3.1.4-1 Imports and exports of fluorite ( $\text{CaF}_2 > 97\%$ ) in China, 2016–H1 2020

Year	Import		Export	
	Volume, tonne	Value, USD	Volume, tonne	Value, USD
2016	XXX	XXX	XXX	XXX
2017	XXX	XXX	XXX	XXX
2018	XXX	XXX	XXX	XXX
2019	XXX	XXX	XXX	XXX
H1 2020	XXX	XXX	XXX	XXX

*Note:  $\text{CaF}_2 > 97\%$ : containing more than 97% calcium fluoride by weight*

*Source: China Customs & CCM*

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## 2.4 Production and market situation of major products

### 2.4.1 Polytetrafluoroethylene (PTFE)

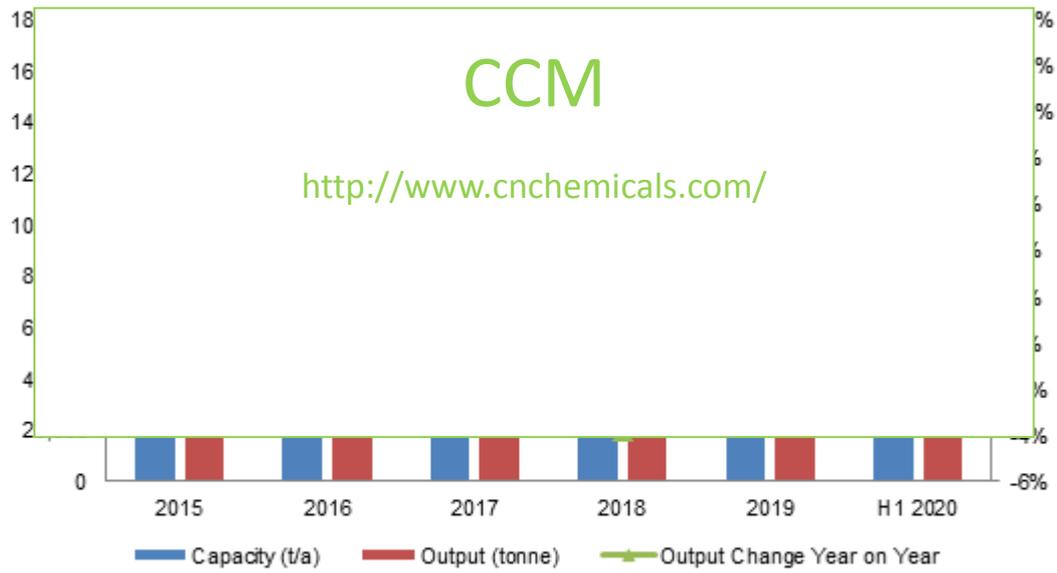
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#### 2.4.1.1 Production situation

China has become one of the most important manufacturers of PTFE in the world. The capacity of PTFE in China had increased from XXX t/a in 2015 to XXX t/a in 2019, with a CAGR of XXX%. And the output of PTFE in China had increased from XXX tonnes in 2015 to XXX tonnes in 2019, with a CAGR of XXX%. In H1 2020, the output in China was XXX tonnes.

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Figure 2.4.1.1-1 Capacity and output of PTFE in China, 2015–H1 2020



Source: CCM

...

Table 2.4.1.1-1 Capacity and output of major PTFE manufacturers in China, H1 2020

No.	Producer	Capacity (t/a)	Output (tone)	Operating rate
1	XXX	XXX	XXX	XXX
2	XXX	XXX	XXX	XXX
3	XXX	XXX	XXX	XXX
...	...	...	...	...

Source: CCM

...

### 2.4.1.2 Price

Figure 2.4.1.2-1 Monthly ex-works price of PTFE in China, Jan. 2016–June 2020



Source: CCM

### 2.4.1.3 Export and import

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Table 2.4.1.3-1 Imports and exports of PTFE in China, 2016–H1 2020

Year	Import			Export		
	Volume, tonne	Value, USD	Price, USD/kg	Volume, tonne	Value, USD	Price, USD/kg
2016	XXX	XXX	XXX	XXX	XXX	XXX
2017	XXX	XXX	XXX	XXX	XXX	XXX
2018	XXX	XXX	XXX	XXX	XXX	XXX
2019	XXX	XXX	XXX	XXX	XXX	XXX
H1 2020	XXX	XXX	XXX	XXX	XXX	XXX

Source: China Customs & CCM

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