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## Demand for antimony in solar glass

What is the demand for antimony?

Rising Demand The demand for antimony has been steadily increasing, particularly in the renewable energy sector. Antimony is a critical component in photovoltaic (PV) glass used in solar panels. With record levels of solar PV installations, especially in China, the demand for antimony has surged.

Why is antimony important for solar panels?

Antimony is a critical component in photovoltaic (PV) glass used in solar panels. With record levels of solar PV installations, especially in China, the demand for antimony has surged. The metal is also essential in the production of lead-acid batteries, energy storage systems, and flame-retardant materials. Geopolitical Factors

How has the demand for antimony changed the photovoltaic industry?

"With a growth rate of 30% year on year, the demand for antimony in the photovoltaic industry has changed the supply-demand balance of the antimony industry" -- Kang Dongsheng, chairman of major Chinese antimony producer, Hsikwangshan Twinkling Star Co Ltd told FastMarkets. In the US, the main primary consumption of antimony in 2023, were:

Will antimony demand increase in 2026?

According to China Merchants Securities, antimony demand from the photovoltaic sector is forecast to increase to 68,000 tons in 2026 from 16,000 tons in 2021, with the sector's share in total consumption rising to 39% from 11%. Project Blue estimates solar PV will account for more than a third of non-metallurgical demand by 2050.

Antimony is vital for many industries, including batteries, solar panels, flame retardants, and ammunition. Recently, the price has risen ...

Estimated recyclable antimony (Sb) in end-of-life PV glass by region from 2000 to 2050. (Note: In each subplot, solid-colored lines represent regional antimony demand under ...

However, the composition of solar glass varies, especially concerning antimony (Sb) content, depending on the production method. ...

However, the composition of solar glass varies, especially concerning antimony (Sb) content, depending on the production method. Antimony is used to enhance the performance ...

Solar photovoltaic glass market to reach USD 243.7 billion by 2033, growing at a CAGR of 30.5% due to rising demand for renewable ...

Antimony demand patterns outside of military demand is also shifting. Traditional applications in flame retardants continue to decline ...

Antimony continues to be utilised heavily in flat glass, architectural glass, speciality glass that

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is being utilised in the construction and automotive industries and electronics and appliances that ...

Solar Antimony is used as a clarifying agent in photovoltaic (PV) glass -- and, in 2023, solar PV installations reached record levels in China (already one of the world's biggest ...

In the past decade, demand from traditional application fields has remained relatively stable, while at the same time, supply has experienced a sustained decline. Solar ...

Rising Demand The demand for antimony has been steadily increasing, particularly in the renewable energy sector. Antimony is a ...

Antimony is vital for many industries, including batteries, solar panels, flame retardants, and ammunition. Recently, the price has risen due to a supply shortage.

Antimony demand from the solar glass industry rose steadily to 38,500t in 2024 from 34,000t in 2023 and 18,700t in 2022, according to industry estimates. But demand is expected ...

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