

SOFNOCAT® 423

**HIGHLY ACTIVE PRECIOUS METAL
CATALYST, FORMULATED FOR
AMBIENT TEMPERATURE OXIDATION
OF UNWANTED CONTAMINANTS IN
BREATHABLE GASES.**



APPLICATIONS

Sofnocat® 423 removes harmful and unwanted gases from a variety of applications. Specific uses include:

- Conversion of carbon monoxide in breathing gas filters
- Removal of hydrogen within enclosed environments
- Abatement of volatile organic compounds (VOCs)
- Obtaining ultra high purity carrier gases for electronic component manufacture

PROPERTIES

Sofnocat® 423 technology combines promoted platinum, palladium and tin oxide, with unique support chemistry to produce a highly active and effective oxidation catalyst.

Properties include:

- Water tolerance
- Low temperature performance
- High mechanical strength
- Low resistance to gas flow

TYPICAL VALUES

Grade	423	
Form	extrudates	
Size	mm	2 (nominal)
Density	g/cm ³	1.4-1.6
Moisture	H ₂ O%	<0.5

PACKAGING

Sofnocat® 423 is available in the following packaging options:
1kg (2.2lbs) airtight polypropylene container

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PERFORMANCE

Sofnocat® 423 grade	Contaminant	Conc (ppm)	Temp (OC)	Residence time (S)	Conversion (%)
423	Carbon Monoxide (CO)	1000	25	0.5	>95.0
423	Hydrogen (H2)	1000	25	0.5	>95.0

QUALITY

Molecular Products Ltd's aim is to manufacture chemical products which satisfy completely the needs of our customers. All products are rigorously tested to ensure conformance to the specification. Our activities comply to the requirements of ISO 9001.

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