

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:
 Conversions 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



Performance

Sofnocat [®] 423 grade	Contaminant	Conc (ppm)	Temp (°C)	Residence time (S)	Conversion (%)
423	Carbon Monoxide (CO)	1000	25	0.5	>95.0
423	Hydrogen (H ₂)	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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