

Technical data sheet

POLYCAT - ALMA X4

Version: January 2008

Chemical composition

Vanadyl pyrophosphate

Formula

$(VO)_2P_2O_7$

Molecular weight: 307.83

CAS number

58834-75-6

ELINCS number

406-260-5

Product specification

Characteristics	Unit	Value	Method*	Reference
Type U				
Bulk density	g/ml	1.20 ± 0.1	GM031	
Attrition rate	-	25 max	ALMA 02	
<u>Granulometric analysis</u>			GM029	
- below 14 microns	%	4 max		
- below 46 microns	%	32 ÷ 41		
- above 101 microns	%	16 max		
Type Y				
Bulk density	g/ml	1.20 ± 0.1	GM031	
Attrition rate	-	25 max	ALMA 02	
<u>Granulometric analysis</u>			GM029	
- below 14 microns	%	4 max		
- below 46 microns	%	50 min		
- above 101 microns	%	8 max		
Type YY				
Bulk density	g/ml	1.20 ± 0.1	GM031	
<u>Granulometric analysis</u>			GM029	
- below 14 microns	%	15 max		
- below 46 microns	%	75 min		
- above 101 microns	%	2 max		

* Internal methods available upon request.

Typical properties

Characteristics	Unit	Value
State of aggregation		solid
Form		spherical powder
Colour		green - brown
Odour		odourless

Main applications

POLYCAT - ALMA X4 is a fluid bed gas phase oxidation catalyst, for the production of maleic anhydride from n-butane.

Handling

Packaging: 500 kg. big bags or 200 liter polyethylene lined steel drums.

Storage: Keep container tightly closed. To maintain product quality, do not store in heat or direct sunlight. Keep in a dry, cool and well-ventilated place.

Shelf life: Several years if properly stored.

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