

Technical data sheet

POLYCAT – MAC4

Version: July 2007

Chemical composition

Vanadyl pyrophosphate

Graphite

Formula

$(VO)_2P_2O_7$

C

Molecular weight:

307.83

12.01

CAS number

58834-75-6

7782-42-5

ELINCS number

406-260-5

231-955-3 (EEC number)

Product specification

| Characteristics | Unit | Value | Method* | Reference |
|------------------|------|-------------|---------|-----------|
| Type ML | | | | |
| Crush strength | N | 15 ÷ 30 | L039 | |
| Outside diameter | mm | 4.70 ÷ 4.90 | L043 | |
| Height | mm | 4.60 ÷ 5.00 | L043 | |
| Type HL | | | | |
| Crush strength | N | 20 ÷ 29 | L039 | |
| Outside diameter | mm | 5.50 ÷ 5.80 | L043 | |
| Height | mm | 5.40 ÷ 5.80 | L043 | |

* Internal methods available upon request.

Typical properties

| Characteristics | Unit | Value |
|----------------------|------|-----------------|
| State of aggregation | | solid tabletted |
| Form | | cylinders |
| Colour | | green - grey |
| Odour | | odourless |

Main applications

POLYCAT – MAC4 is a fixed bed gas phase oxidation catalyst, for the production of maleic anhydride from n-butane, suitable for any kind of fixed bed reactor, included the retrofitted technology from benzene to butane. It can be coupled with water or solvent recovery system.

Handling

- Packaging: 60 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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