

Product Information

SYLOSIV® A3

Molecular Sieve Powder

Product Description

SYLOSIV® A3 Molecular Sieve Powder is a micronized, highly porous, crystalline aluminosilicate with pore openings of approximately 3 Å.

Product Characteristics

The following specification parameters will be stated in our Certificate of Analysis.

Property	UOM	Value	Test Method
Total Volatile (950°C)	%	2.5 max.	GRACE Q 007
Viscosity of 50% wt Castor Oil Paste	Pa.s	10 - 20	GRACE Q 124
Potlife	%	35 min.	GRACE Q 137
Wet Screen Residue (> 42 µm)	%	0.01 max.	GRACE Q 004

Typical Properties and Recommended Applications

The following typical properties data are given for informational purposes only, and are not to be interpreted as product or in-process specifications.

Property	UOM	Value	Comments
Fineness of Grind	µm	40	GRACE Q 124
pH (5% aq. suspension)		11	GRACE Q 114
Bulk Density	g/l	600	GRACE Q 010
Water Adsorption Capacity*	%	26	GRACE Q 141

* 80% r.H, 25°C

SYLOSIV® A3 Molecular Sieve Powder is a highly effective moisture scavenger for plastic and coating systems where even traces of water may create problems. Due to its small pore openings SYLOSIV® A3 Molecular Sieve Powder adsorbs practically only water. Typical areas of application are two-component polyurethane systems, moisture-curable polyurethanes, metallic pigment coatings, polysulfide and silicone systems, and as cosmetic ingredient. SYLOSIV® A3 Molecular Sieve Powder is compatible with commonly used polyurethane systems. However, due to the huge variety of formulations, it is strongly recommended to our customers to qualify our product in their PU systems prior to usage. The above specified hardening time (potlife) refers only to our frame formulation Q137, and may be different if other formulations are used.

www.grace.com

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SYLOSIV® A3 Molecular Sieve Powder

Packaging Information

The standard packaging for SYLOSIV® A3 Molecular Sieve Powder is:

25 kg/bag	20 bags/palbox	500 kg/palbox	pallet: 1200 x 1000 mm
20 kg/bag	25 bags/palbox	500 kg/palbox	pallet: 1200 x 1000 mm
25 kg/Bag-in-Box	15 Bag-in-Boxes/pallet	375 kg/pallet	pallet: 1200 x 1000 mm
350 kg/Big Bag	1 Big Bag/pallet	350 kg/pallet	pallet: 1200 x 1000 mm
700 kg/Big Bag	1 Big Bag/pallet	700 kg/pallet	pallet: 1000 x 1000 mm

Handling & Storage Recommendations

Like all other finely powdered products SYLOSIV® A3 Molecular Sieve Powder has a tendency to develop dust. During handling, precautions should be taken against electrostatic discharges. Additional information can be found in our Material Safety Data Sheet (MSDS).

Storage in a dry warehouse is recommended. Open packages should be resealed to prevent contamination and adsorption of water or other gases and vapors. The material in Big Bags should be used within 6 months from the date of production, material in bags and bag in boxes within 12 months from the date of production. SYLOSIV® bags are highly air/gas tight. Storage at lower or higher temperatures can lead to shrinkage or expansion of the enclosed air. This has no influence on the product properties.

Health & Safety Information

SYLOSIV® A3 Molecular Sieve Powder is a synthetic aluminosilicate. Additional information can be found in our Material Safety Data Sheet (MSDS). Please refer also to national laws and regulations.

ISO Certification

ISO 9001 Registered

Other Information

The information contained herein is based on our testing and experience and is offered for the user's consideration, investigation and verification. Since operating and use conditions vary and since we do not control such conditions, we must DISCLAIM ANY WARRANTY, EXPRESSED OR IMPLIED, with regard to results to be obtained from the use of this product. Test methods are available on request.

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