Molecular sieve 3A

Molecular sieve 3A, activated powder · RS-MS3A_P · Technical Data Sheet · RawSource · rawsource.com/product/molecular-sieve-3a/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
Not stated	RS-MS3A_P	Activated molecular sieve powder · adsorbent

Molecular sieve 3A activated powder is an adsorbent supplied as a white powder with a nominal pore diameter of 3 angstroms. It is made by adding additives to molecular sieve raw powder and roasting at high temperature, which removes most of the water content of the raw powder. It is a desiccant and can be used directly in production as an adsorbent with selective adsorption, for example by mixed dispersion with other materials. It adsorbs impurities such as water that affect the quality of the product it is used in, without changing the physical and chemical properties of that product.

DISTRIBUTED BY
RawSource Inc.
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Product page: rawsource.com/product/molecular-sieve-3a/
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RELEASE SPECIFICATION

PARAMETER	SPECIFICATION
Nominal pore diameter	3 angstroms
Appearance	White Powder
Particle size	2 – 4 µm
Static water adsorption (35 °C, RH75 %, 24h)	23 wt% min
Tapped bulk density	0.45 g/ml min
Screen residue (325 mesh)	0.2 wt% max
pH	9 – 11
Moisture content of packaged products (550 °C, 1h)	2.0 wt% max

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

KEY FEATURES

- Good dispersibility
- Fast adsorption speed
- Strong activity
- Reduces moisture and improves material uniformity and strength

APPLICATIONS

- 2k-polyurethane coatings and moldings
- 1k-polyurethane storage protection
- Polysulfide and silicone systems for storage protection of metallic pigment coatings
- Processing aids for polymer production
- Desiccant for production of polymer desiccant materials
- Storage protection additives for highly hygroscopic goods

Applications are those stated for the product. Confirm suitability for each formulation by trials.

HANDLING REQUIREMENTS

- Do not expose to the open air.
- Store in a windproof bag under dry conditions.

PACKAGING AND SHELF LIFE

- 15 kg valve bags
- ton bags
- Shelf life: 12 months from production date.

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.