



Polysi-AK 101

Today after a can of Silicone Roofing is opened it will allow crosslinking that will render the coating un-usable in a relatively short time. **AK 101** is a smaller molecule, lowering your overall carbon footprint and increasing your working time.

AK 101 versus MOS in Silicone Roof Coatings, Sealants, Adhesives, Coatings:

Advantages:

- More reactive molecule
- More inert conditions
- Can increase production speed making more material in less time
- Smaller Carbon footprint
- Nitrogen purging
- Safer to manufacture avoiding supply interruption
- Made in US
- Non - corrosive

Challenges:

- Methanol is more flammable

Typical properties*

RI @20°C 1.4552 +/-0.0005

Density @ 20°C 0.9740

Appearance / color: colorless to light yellow transparent liquid

*These properties are not intended to be used as specifications but only as suggested characteristics



Product Description

Polysi Research's AK 101 is a liquid raw material for use in condensation curing of silicone polymers and resins. In the absence of moisture this material will react with the silanol functionality of hydroxyl functional silicone polymers and resins. Exposure to moisture sometimes in the presence of an organometallic catalyst results in an elastomeric cured membrane. In contrast to other silanes the moisture activated condensation cure, results in neutral by-products so as not to cause corrosion on underlying substrates like metals or marble.

Storage & Shelf Life

When stored in the original unopened container this material will have a minimum shelf life of 1 year

Packaging & Handling

Packaging options are available upon request. Bulk, Totes, Drums.