

Catalysts for Organosilane Systems

Catalysts Recommendations for Organosilane Systems

King Industries has developed a new series of tin-free compounds for the catalysis of crosslinkable silane-terminated polymer systems. They are effective with methoxy, ethoxy, oximino and acetoxy terminated silanes. In some cases, synergy with aminosilanes can enhance the rate of cure. Typical dosage ranges from 0.4 to 2.0% on total formulation weight. Since selecting a proper catalyst is a critical step in the formulating process of organosilane systems, we have provided catalyst recommendations based on different applications.



Catalysts

| System | Recommendation | Catalyst |
|---|------------------------|-------------------------|
| 1K Moisture Cure Alkoxysilane | K-KAT 670 | Organometallic compound |
| 2K Alkoxysilane/silanol | K-KAT XK-651 | Organometallic compound |
| 1K Moisture Cure Acetoxysilane | K-KAT XK-675 | Acid phosphate |
| Silane Grafted PE, Moisture Cure | NACURE CD-2180M | Sulfonic Acid |

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