# SCONA TSPP 5013 GB

Modifier to improve the adhesion of polypropylene to metal surfaces and a coupling agent for natural fibers in polypropylene compounds with excellent sealing properties.

## Product Data

**Composition**
Polypropylene functionalized with maleic acid anhydride.

**Typical Properties**
The values indicated in this data sheet describe typical properties and do not constitute specification limits.

| | |
|---|---|
| MVR (190 °C, 2.16 kg): | 45-65 cm³/10 min |
| Drying loss (3h, 110 °C): | < 0.5 % |
| MAH content: | 0.8-1.0 % |
| Supplied as: | Pale yellow granulate |

**Food Contact Legal Status**
For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

**Storage and Transportation**
To be stored and transported at a temperature below 40 °C. Protect from moisture. Store the tightly sealed containers in a dry, cool, and well-ventilated location.

## Applications

### Thermoplastics

**Special Features and Benefits**
SCONA TSPP 5013 GB is an adhesion promoter and coupling agent based on a polypropylene functionalized with maleic acid anhydride. It ensures excellent adhesion of polypropylene to metal surfaces. In polypropylene compounds with a natural fiber content, it ensures that the natural fibers are incorporated extremely well in the polymer matrix. The additive displays excellent sealing properties.

**Recommended Use**
SCONA TSPP 5013 GB can be used directly as supplied (granulate) as an adhesion promoter between polypropylene and natural fibers or metal surfaces. For polypropylene compounds with polyamides, polyesters or EVOH, it is possible to dilute the additive with polypropylene.

## Recommended Levels

15-30 % additive (as supplied) based upon the total formulation for polypropylene compounds with polyamides, polyesters or EVOH.
20-35 % additive (as supplied) based upon the total formulation for applications on metal surfaces.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

## Incorporation and Processing Instructions

If the additive is diluted with polypropylene, precompounding is recommended.



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