SCONA TSPP 10213 GB

Modifier to improve the mechanical properties and adhesion of filler, glass fiber, carbon fiber and natural fiber compounds as well as one packs in polypropylene.

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 (170 °C, 1.2 kg):	40-100 cm³/10 min
Drying loss (3 h, 110 °C):	< 0.5 %
MAH content:	2.0 %
Supplied as:	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.

Special Note
As a result of the extremely high level of grafting with maleic acid anhydride, the product can be colored a pale yellow without influencing the effectiveness.

Applications

Thermoplastics

Special Features and Benefits
SCONA TSPP 10213 GB is a highly effective adhesion promoter based on a polypropylene functionalized with maleic acid anhydride for use in polypropylene compounds with short and long glass fibers as well as natural and carbon fibers. Furthermore, it is also suitable for fillers such as ATH, $Mg(OH)_2$, $CaCO_3$, even at low dosage.

SCONA TSPP 10213 GB additionally improves the mechanical properties of these compounds, especially in polypropylene/natural fiber compounds. Here it also reduces water absorption.

In its supplied form (granulate), the modifier is highly suited to producing one packs and masterbatches.

Recommended Levels

0.5-5 % additive (as supplied) based on the total formulation, depending on the fiber or filler content.

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

Incorporation and Processing Instructions

Extensive wetting of the fibers/fillers is required for effective compounding. For this reason, the product must be added to the main feed of the extruder.

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