

SCONA TPPP 2003 FB

Modifier to improve the mechanical properties of polypropylene filler compounds and the tear resistance and impact strength of PET compounds. Compatibility agent for polyamide/polypropylene blends.

Product Data

Composition

Polypropylene copolymer functionalized with maleic acid anhydride

Typical Properties

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

MFR (190 °C, 2.16 kg): 1-5 g/10 min

Drying loss (3h, 110 °C): < 0.5 %

MAH content: 0.9-1.3 %

Supplied as: Powder

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

Slight discoloration may occur, however this will not impact its effectiveness.

Applications

Thermoplastics

Special Features and Benefits

SCONA TPPP 2003 FB is a modifier based on a copolymer functionalized with maleic acid anhydride for polypropylene filler compounds (e.g. ATH, Mg(OH)₂, CaCO₃). The additive improves mechanical properties (rigidity, tensile strength). In PET compounds, it increases the impact strength and tear strength of PET tapes. Used as a compatibility agent in polyamide/polypropylene blends, SCONA TPPP 2003 FB results in a good distribution of the polypropylene, thereby reducing the water absorption of the polyamide. In the supplied form (powder), the additive is especially suitable for manufacturing powder masterbatches.

Recommended Levels

3-10 % additive (as supplied) based upon the total formulation.

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

Incorporation and Processing Instructions

Incorporation at high shear via a double screw extruder.

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Data Sheet
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Additive Guide



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