

SCONA TPPP 8112 FA

Adhesion promoter for TPE-S overmolding compounds, coupling agent for natural fiber compounds, and one-packs in polypropylene.

Product Data

Composition

Polypropylene highly functionalized with maleic 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): > 80 g/10 min

Drying loss (3 h, 230 °F): < 0.5 %

MAH content: 1.4 %

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

Storage temperature max. 35 °C / 95 °F, relative humidity < 80 %. Avoid direct sunlight and contact with water.

Special Note

The modifier is also available as a granulate under the name SCONA TPPP 8112 GA.

Applications

Thermoplastics

Special Features and Benefits

In TPE-S overmolding compounds, the modifier improves adhesion on hard substrates (such as PC, PA, ABS). Due to the high grafting level, only part of the PP in the TPE compound must be replaced with the modifier. In PP natural fiber compounds, the product significantly improves the mechanical properties and reduces water absorption. The modifier in its supplied form (powder) is ideally suited to the production of one-packs and masterbatches.

Recommended Levels

0.8-3 % additive (as supplied) based upon total formulation, depending on the natural fiber content in fiber compounds as well as the PP content in overmolding compounds.

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

Incorporation and Processing Instructions

Distribute the modifier homogeneously in the compound. For TPE adhesion formulations, it is recommended that the adhesion promoter is used in granulate form (SCONA TPPP 8112 GA).



Additive Guide



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