

SCONA TPPP 2112 FA

Adhesion promoter for TPE-S overmolding compounds and dispersing agent for nano clays in polypropylene.

Product Data

Composition

Polypropylene 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): 2-7 g/10 min

Drying loss (3 h, 110 °C): < 0.5 %

MAH content: 0.9-1.2 %

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, 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 2112 GA.

Applications

Thermoplastics

Special Features and Benefits

In combination with SCONA TSKD products the modifier improves adhesion of TPE-S overmolding compounds 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. To disperse nano clays, it is recommended that the modifier is used in polypropylene, especially also for solid masterbatches.

Recommended Levels

In overmolding compounds, the amount of additive depends on the PP content of the formulation. To disperse nano clays, use approx. 100 % of the modifier as supplied based upon the nano clay content. The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

For TPE adhesion formulations, it is recommended that the adhesion promoter is used in granulate form (SCONA TPPP 2112 GA). For PP/nano clay compounds, a concentrate made from nano clay and the modifier is created by means of a twin-screw extruder with high shear forces first, which is then incorporated into the PP.



Additive Guide



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