

SCONA TPPP 8112 GA

Adhesion promoter for TPE-S overmolding compounds and coupling agent for natural fiber compounds 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: 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

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 powder under the name SCONA TPPP 8112 FA.

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.

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.



Additive Guide



BYK USA Inc.
524 South Cherry Street
P.O. Box 5670
Wallingford, CT 06492
USA
Tel 203 265-2086
Fax 203 284-9158

cs.usa@byk.com
www.byk.com/additives

ANTI-TERRA®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, DISPERBYK®, DISPERPLAST®, LACTIMON®, NANOBYK®, PAPERBYK®, SILBYK®, VISCOBYK®, and Greenability® are registered trademarks of BYK-Chemie. AQUACER®, AQUAMAT®, AQUATIX®, CERACOL®, CERAFAC®, CERAFLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera.

SCONA® is a registered trademark of BYK Kometra.

The information and data stated herein, although in no way guaranteed, are based upon tests and reports considered to be reliable and are believed to be accurate. No warranty, either expressed or implied, is made or intended. Use by a customer should be based upon their own investigations and appraisals. Any recommendation should not be construed as an invitation to use a material in infringement of patents.

This issue replaces all previous versions – Printed in the USA