

SCONA TPPE 1212 PAHD

Modifier to improve the mechanical properties of polyethylene fiber compounds and a compatibility agent for polyamide/polyethylene blends.

Product Data

Composition

Polyethylene (HDPE) 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): 0.5-2 g/10 min

Drying loss (3h, 110 °C): < 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

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

A slight discoloration of the product may occur, however this will not impact its effectiveness.

Applications

Thermoplastics

Special Features and Benefits

SCONA TPPE 1212 PAHD is a modifier based on a polyethylene (HDPE) functionalized with maleic acid anhydride for polyethylene compounds with glass fibers, wood and other natural fibers. In these compounds, the additive improves the mechanical properties (rigidity, bending strength, impact strength) and reduces water absorption. A good homogeneity is achieved in polyamide/polyethylene blends. The extremely high maleic acid anhydride content also results in ideal flow properties, making the product highly effective.

Recommended Levels

1-4 % additive (as supplied) based upon the total formulation, depending on the fiber content

30 % additive (as supplied) based upon the polyethylene content in polyamide/polyethylene blends

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

Incorporation and Processing Instructions

It is vital that the product is added to the main feed of the compounding machine.

SCONA TPPE 1212 PAHD

Data Sheet
Issue 06/2017



Additive Guide



BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

ACTAL®, ADD-MAX®, ADD-VANCE®, ADJUST®, ADVITROL®, ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKO2BLOCK®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, MINERAL COLLOID®, MINERPOL®, NANOBYPK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, PAPERBYK®, PERMONT®, PRIEX®, PURE THIX®, RHEOCIN®, RHEOTIX®, SCONA®, SILBYK®, TIXOGEL®, VISCOBYK® and Y 25® **are registered trademarks of the BYK group.**

The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend testing our products as to their suitability for your envisaged purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. We reserve the right to make any changes according to technological progress or further developments.

This issue replaces all previous versions – Printed in Germany