

SCONA TPPE 1102 PALL

Modifier for polyethylene compounds with filler and/or fibers and a compatibility agent for polyamide/polyethylene blends.

Product Data

Composition

Polyethylene (LLDPE) 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): 1-6 g/10 min
Drying loss (3h, 110 °C): < 0.5 %
MAH content: > 1.5 %
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 1102 PALL is a modifier based on a polyethylene (LLDPE) functionalized with maleic acid anhydride. The additive is an excellent compatibility agent in plastic recycling. SCONA TPPE 1102 PALL also acts as an excellent coupling agent for polyethylene wood and polyethylene glass fiber compounds as well as for polyethylene/filler composites (e.g. ATH or aluminum hydroxide). In addition, it improves the mechanical properties in highly filled polyethylene compounds.

Recommended Levels

2-4 % additive (as supplied) based upon the total formulation, depending on the fiber/filler 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

Extensive wetting of the fibers/fillers is required for effective compounding. For this reason, the additive must be added to the main feed of the extruder.

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Additive Guide



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