

SCONA TPSPS 9012 PA

Compatibilizer for polyamide blends with syndiotactic polystyrene (SPS) and polyphenylene ether (PPO).

Product Data

Composition

SPS highly functionalized with maleic anhydride

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

MVR (280 °C, 1.2 kg): 10-50 cm³/10 min

Drying loss (3 h, 230 °F): < 0.5 %

MAH content: > 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 / 95 °F, relative humidity < 80 %. Avoid direct sunlight and contact with water.

Applications

Thermoplastics

Special Features and Benefits

The product improves the compatibility between PA and SPS as well as PPO, thus facilitating the production of polyamide blends with high heat distortion temperatures and low water absorption. Its high grafting level makes it very effective.

Recommended Levels

3-15 % modifier (as supplied) based upon total formulation, depending on the desired properties. A mixture of non-grafted SPS or PPO at a ratio of 1:2 is recommended. The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

Compounding must be achieved by means of a twin-screw extruder operating on a high level. It is of vital importance that the product is added in the main catch.

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