

SCONA TSKD 9103

Adhesion promoter for TPE-S overmolding compounds and impact strength modifier for special polyamide compounds.

Product Data

Composition

Styrene ethylene butylene styrene block copolymer functionalized with maleic anhydride

Typical Properties

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

MVR (230 °C, 5 kg): 15-35 cm³/10 min
Drying loss (3 h, 230 °F): < 0.5 %
MAH content: 1.3 %
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.

Applications

Thermoplastics

Special Features and Benefits

In TPE-S overmolding compounds, the modifier improves adhesion on hard substrates (such as PC, PA, ABS). The modifier is also used as a high impact strength modifier in special PA compounds. In PA/polypropylene blends, the product leads to improved compatibility.

Recommended Levels

3-10 % additive (as supplied) based upon total formulation as an impact strength modifier for PA compounds and to improve compatibility in PA blends. In TPE-S overmolding formulations, a part of the SEBS content is replaced by the modifier, depending on the polymeric hard component. The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

High shear forces from the twin-screw extruder must be ensured when incorporating in PA.

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