SCONA TSKD 9103

Modifier to produce high impact-resistant polyamide compounds and adhesion promoters for TPS-S overmolding compounds.

Product Data

Composition
Styrene-ethylene/butylene-styrene block copolymer (SEBS) functionalized with maleic acid 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 (3h, 110 °C):	< 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
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.

Applications

Thermoplastics

Special Features and Benefits
SCONA TSKD 9103 is an adhesion promoter based on a styrene-ethylene/butylene-styrene block copolymer functionalized with maleic acid anhydride. In TPE-S overmolding compounds, the additive improves adhesion to hard substrates (such as PC, PA, ABS, metal). SCONA TSKD 9103 is also used as a highly effective high impact-resistant modifier in special polyamide compounds. In blends of polyamide, ABS or polycarbonate with polypropylene, the additive boosts compatibility.

Recommended Levels
In TPE-S overmolding formulations, part – typically about 50 % – of the total content of SEBS is replaced by the modifier, depending on the hard polymeric component.

3-10 % additive (as supplied) based on the total formulation to modify the impact strength of polyamide compounds and improve compatibility in polyamide blends.

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

Incorporation and Processing Instructions
Watch out for high shear when incorporating polyamides in double screw extruders.

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Data Sheet
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Additive Guide

Available on the App Store

Google play

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