

# SCONA TSPOE 1002 GBLL

Impact strength modifier for polyamide and PET as well as compatibilizer for polyamide blends.

## Product Data

### Composition

Ethylene octen copolymer functionalized with maleic anhydride

### Typical Properties

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

MFR (190 °C, 21.6 kg): 6-23 g/10 min  
Drying loss (3 h, 230 °F): < 0.5 %  
MAH content: 1.45-1.65 %  
Supplied as: Translucent granulate

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://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

SCONA TSPOE 1002 GBLL is a high impact strength modifier for polyamide 6, polyamide 6.6, and polyamide 12 as well as polyethylene terephthalate (PET). In polyamides, it significantly increases low temperature impact strength, and for PET, it improves notch impact strength. In polyamide/PP blends, the product leads to improved impact strength and compatibility. Its low yellowness index makes the product suitable for lighter compounds as well.

#### Recommended Levels

3-15 % additive (as supplied) based upon total formulation for polyamide.  
6-18 % additive (as supplied) based upon total formulation for PET.  
2-8 % additive (as supplied) for PA/PP blends in the PP content.

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

#### Incorporation and Processing Instructions

Incorporate the product with high shear forces by means of a twin-screw extruder. The modifier may be diluted.

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Data Sheet  
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Additive Guide



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