

## SCONA TSPOE 1012 GBLL

Impact modifier for polyamide compositions to provide optimized performance under high heat processing conditions, superior flowability and high impact strength. Compatibilizer for blends of polyolefins with polar polymers as well as for polyolefin recycling streams to improve mechanical and optical properties.

### Product data

#### Composition

Chemically modified polyolefin elastomer

#### Typical properties

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

Grafting functionality:	maleic anhydride
Grafting level:	0.6 %
MFR (190 °C, 10 kg):	10 g/10 min
Drying loss (180 min, 110 °C):	< 0.5 %
Color:	off-white
Delivery form:	pellet

#### Storage and transportation

Product shelf life in unopened original packaging: 36 months

Store in sealed containers in a cool, dry, and well-ventilated place. To be stored and transported at a temperature below 40 °C.

### Applications

#### Thermoplastics

##### Special features and benefits

SCONA TSPOE 1012 GBLL is an impact modifier based on a maleic anhydride modified polyolefin elastomer. The additive performance under high heat processing conditions, provides a superior flowability in the final composition and improves the notched and unnotched impact strength of polyamides (e.g. polyamide 6, polyamide 6.6).

Furthermore, SCONA TSPOE 1012 GBLL can be used as a compatibilizer for blends of polyolefins (e.g. LLDPE) and polar polymers (e.g. PA 6) as well as to incorporate impurities in polyolefin recycling streams. The benefits can be found in consequently optimized mechanical and optical properties.

**Recommended use**

Impact modifier	<input checked="" type="checkbox"/>
Compatibilizer	<input checked="" type="checkbox"/>
Dispersing aid	<input type="checkbox"/>

especially recommended    recommended

**Recommended levels**

Impact modifier: 5-20 % additive (as supplied) based as supplied in the total formulation.

Compatibilizer: 3-30 % additive (as supplied) based upon the polyolefin content in polymeric blends.

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

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

**Incorporation and processing instructions**

Incorporate the product with high shear forces by means of a twin-screw extruder to ensure a proper dispersion in the matrix.



Your local  
contact

**BYK-Chemie GmbH**

Abelstraße 45  
46483 Wesel  
Germany  
Tel +49 281 670-0  
[info@byk.com](mailto:info@byk.com)  
[www.byk.com](http://www.byk.com)



Download  
our app:  
[byk.com/app](http://byk.com/app)

ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-AQUAGEL®, BYK-DYNWET®, BYK-MAX®, BYK-SILCLEAN®, BYKANOL®, BYKCARE®, BYKETOL®, BYKJET®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFK®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, NANOBYPK®, OPTIBENT®, OPTIGEL®, PURABYK®, RECYCLOBYK®, RHEOBYK®, SCONA®, SILBYK®, TIXOGEL® and VISCOBYK® are registered trademarks of the BYK group.

The information contained herein is based on our current knowledge and experience. No warranties, guarantees and/or assurances of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. Any information about suitability, use or application of the products is non-binding and does not constitute a commitment regarding the products' properties, use or application. Contractual terms and conditions, in particular agreed product specifications, always take precedence. We recommend that you test our products in preliminary trials to determine their suitability for your intended purpose prior to use. We reserve the right to make any changes and to update the information herein without notice.