

SCONA TSPP 4012 GB

Adhesion promoter for multi-layer and single-layer polypropylene films on metal and similar polar substrates.

Product data

Composition

Chemically modified polypropylene copolymer

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 (230 °C, 2.16 kg):	24 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

Moisture sensitive. 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 TSPP 4012 GB is a highly effective adhesion promoter for cast and blown polypropylene films that need to adhere to metal, wood, or polar plastics such as polyamide. Adhesion is achieved through a combination of chain entanglement, covalent bonds, hydrogen bonds, dipole-dipole interactions, and van der Waals forces. This creates a durable bond for high-quality composite materials in industrial applications.

Recommended use

SCONA TSPP 4012 GB can be used in a wide range of coextrusion processes to bond different materials together and give a range of end products the desired properties.

Recommended levels

20-100 % additive (as supplied) based upon total formulation.

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

Incorporation and processing instructions

The additive is added directly at the extruder using proven dosing technology and is optimally matched to the usual processing conditions for polypropylene films. This ensures precise and reliable processing, guaranteeing consistently high quality and maximum process reliability.



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