

Intermediates



Basionics – high-performance antistatic additives

The extra for polyurethanes



BASF

We create chemistry

At BASF, we create chemistry. Our portfolio ranges from chemicals, plastics, performance products and crop protection products to oil and gas. As the world's leading chemical company, we combine economic success with environmental protection and social responsibility. Through science and innovation, we enable our customers in nearly every industry to meet the current and future needs of society. Our products and solutions contribute to conserving resources, ensuring nutrition and improving quality of life. We have summed up this contribution in our corporate purpose: We create chemistry for a sustainable future.

Top intermediates supplier

The BASF Group's Intermediates division develops, produces and markets a comprehensive portfolio of about 700 intermediates around the world. Its most important product groups include amines, diols, polyalcohols, acids and specialties. Intermediates are for example used as starting materials for coatings, plastics, pharmaceuticals, textiles, detergents and crop protectants. Innovative intermediates from BASF help to improve both the properties of final products and the efficiency of production processes. The ISO 9001 certified Intermediates division operates plants at production sites in Europe, Asia and North America.



Basionics

Properties that translate into your benefits

Ionic liquids – fascinating materials with unique sets of properties

- Liquid at < 100 °C
- Broad liquid range
- Virtually no vapor pressure
- Non-flammable
- Excellent thermal, mechanical and electrochemical stability
- Electrical conductivity

Our offer

- Outstanding new additives that provide antistatic properties to a wide range of polyurethanes
- Customized solutions to meet specific customer needs
- World-class logistics to supply our products to you anywhere in the world
- Supportive product stewardship

Broad Basionics Portfolio

- BASF's Basionics portfolio of ionic liquids offers a variety of properties.
- The main focus are imidazolium cations with a range of different anions.

Basionics™	Product name	CAS-No.
Basionics ST 80	1-Ethyl-3-methyl imidazolium chloride	65039-09-0
Basionics LQ 01	1-Ethyl-3-methyl imidazolium ethylsulfate	342573-75-5
Basionics VS 03	1-Ethyl-3-methyl imidazolium dicyanamide	370865-89-7



Opportunities in many different applications: Basionics for polyurethanes are used for example in flexible packaging foams, PU safety shoes and engineering parts like rollers.

High efficiency

The ionic structures and excellent charge transfer properties are the key to superior efficiency.

Easy applicability

Being low-viscosity liquids, Basionics can be used over a wide temperature range.

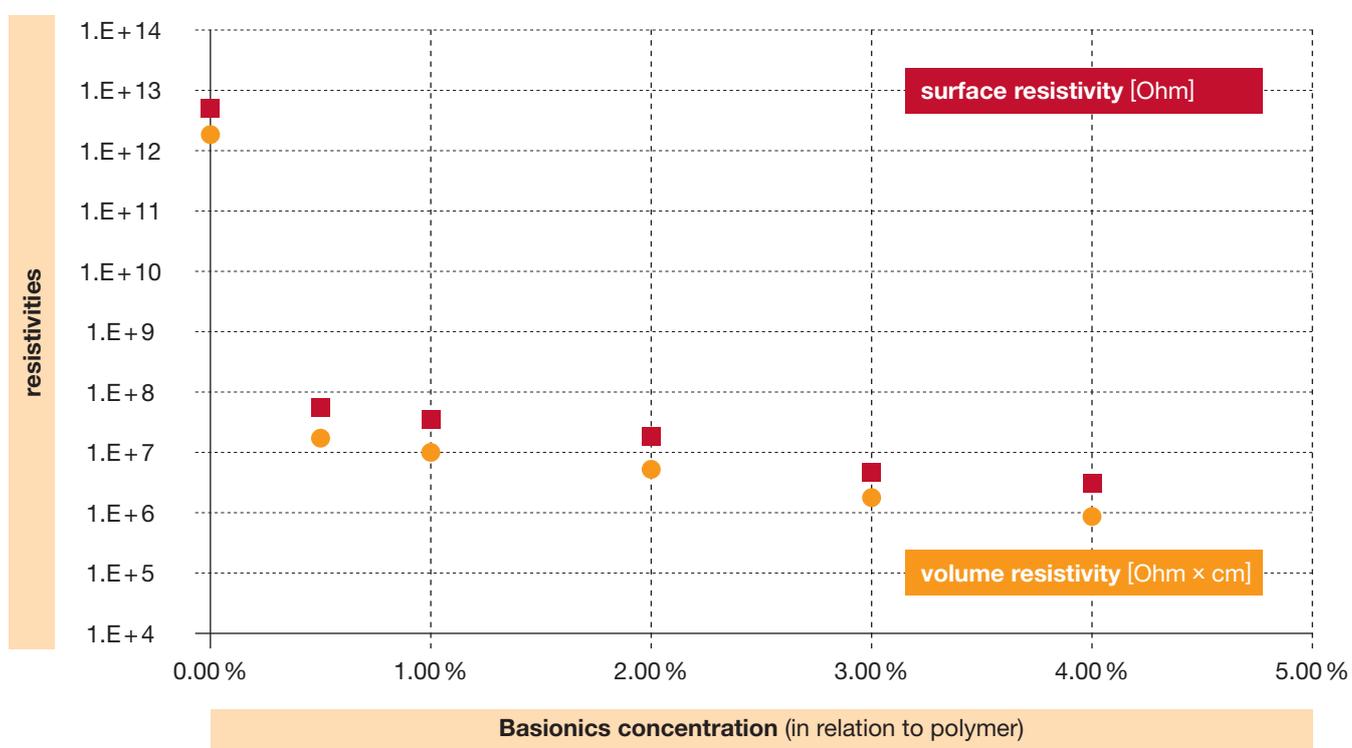
Excellent permanence

Basionics distribute excellently in the bulk material for a long-lasting antistatic effect.

Basionics Performance and Efficiency

Electrostatic dissipative and conductive ranges for polyurethanes

Polyurethanes are used in many applications in which antistatic properties are essential for the product performance. The choice of a proper Basionics product provides the possibility to reach resistivities even in the conductive range at a concentration below 6 wt%.



- Basionics are classical antistatic additives with permanent performance.
- Just a minor dose in the PU can effectively achieve antistatic behavior.
- Higher concentrations of Basionics allow resistivities up to the conductive range.

Ease of handling

Basionics are non-toxic additives that are easy to dose and eliminate the need for solids or powder handling.

Colorability for final PU

The transparent coloring of Basionics allows design freedom.

Broad market access

Selected products* are compliant with FDA regulations, ready for use in food contact applications.

*for Basionics LQ 01 in combination with polymers in compliance with sections 21 CFR 177.1680 and 177.2600

Basionics – high-performance antistatic additives

Your benefits:

- Globally unique portfolio of chemical high-performance antistatic additives
- High level of supply reliability
- Local presence
- Extensive customer service
- Wide-ranging support

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