

SANAFOR® EBA-S20



PRODUCT DESCRIPTION

The SANAFOR® antimicrobial technology can be incorporated into a variety of plastic products, to provide them with built-in antimicrobial protection against a wide range of microorganisms. The SANAFOR® EBA-S20 master batch is based on an Ethylene/N-Butyl Acrylate copolymer (EBA) carrier, which makes it easy to add during polymer processing and compatible with a broad range of resins.

KEY FEATURES & BENEFITS

- » Exceptional activity against a wide range of bacteria
- » Good compatibility with a broad range of polymers;
- » Safe and easy to use during polymer processing;
- » Excellent thermal stability;

Users should always check compatibility and performance in their particular applications.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

- » Appearance: off-white to pale grey pellets;
- » Bulk density: 0.5g/ml;
- » Carrier: EBA - Melting temperature: 95°C (203°F, ISO 3146) - Melt flow rate: 5.6g/10min (190°C/2.16kg, ISO 1133);

RECOMMENDED ADDITION RATES

Required SANAFOR® EBA-S20 addition rates to the final treated plastic article vary depending on several factors, including the type of plastic, targeted microorganisms, specific application, desired antimicrobial performance, and required longevity of protection. Typically, addition rates of 1% to 3% will result in excellent performance.

STORAGE & HANDLING

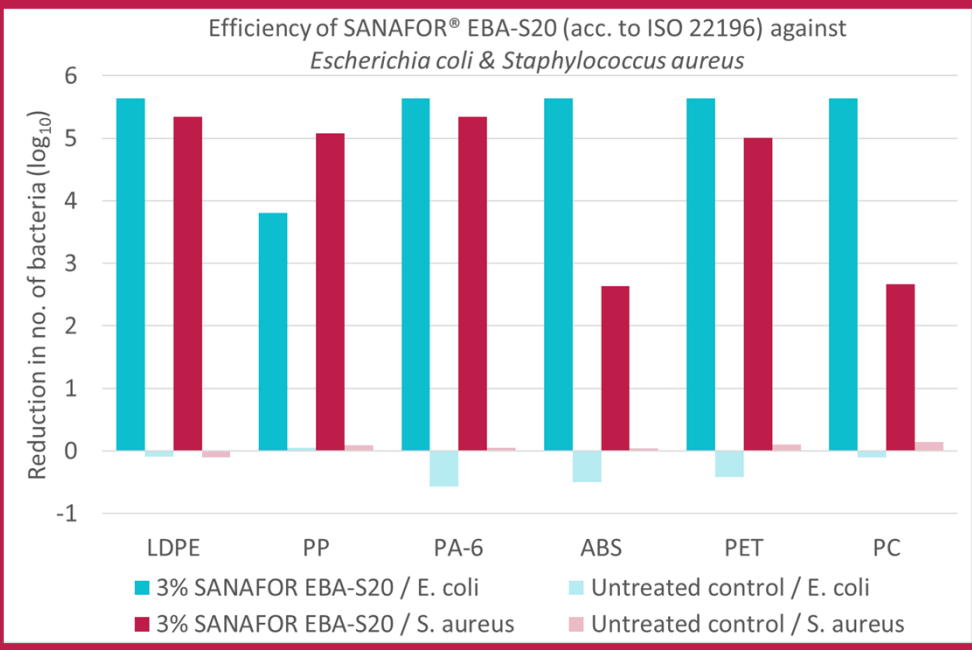
Store in its original packaging under appropriate dry conditions and avoid exposure to direct sunlight.

REGISTRATION STATUS

The use of SANAFOR® EBA-S20 is subject to the relevant national legislation. Please check with our local sales representative the regulatory requirements and status of registration in your countries of interest.

BIOLOGICAL EFFICACY

Different plastic types containing SANAFOR® EBA-S20 have been tested using internationally accepted methods. They have been proven to reduce the overall level of both Gram-positive and Gram-negative bacteria on surfaces by up to 99.999%.



HOW

DOES IT WORK?

The active compound of SANAFOR® EBA-S20 exhibits a complex interplay of different action mechanisms. Although the full details of how SANAFOR® works have not been completely revealed, most scientific publications agree on the following:

- » Interaction with thiol-groups
- » Binding to DNA / RNA
- » Disruption of membranes
- » Interference with trans-membrane transport (in particular release of potassium from the cells)



Contact us:

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The use of SANAFOR® EBA-S20 is subject to the relevant national legislation. For more information on the status of regulatory approval in your country of interest, we invite you to contact us. Use antimicrobials safely. Always read the label and product information before use.