Ambicat™ LE4472

Description

Ambicat LE4472 is an ambient crosslinking black catalyst masterbatch specially designed to be used with Visico base resins LE4421, LE4423 and ME4425 for insulation of low voltage energy cables.

The Visico/Ambicat insulation system is designed to crosslink fast at ambient conditions. It can also be crosslinked in sauna or in hot water.

The addition of metal soaps and basic (high pH) components, like some fillers, stearates and UV-stabilisers, will deactivate the catalyst and is not suitable together with Ambicat. To prevent deactivation of the catalyst during colouring, Ambicat compatible colour masterbatches are needed. Please contact your Borealis representatives for information.

Physical properties

Property	Typical value *	Unit	Test method
Melt flow rate (190 °C/21.6 kg)	100	g/10min	ISO 1133
Bulk density	600 - 700	kg/m³	ASTM D1895

* Data should not be used for specification work

Packaging and storage

Ambicat LE4472 - Catalyst master batch is protected from moisture ingress
Package: Bags

Ambicat LE4472 can be stored for 15 months after production, at 10-30 °C (50-85 °F) in unopened original packages, without significant deterioration in the quality of the material. Ambicat LE4472 should be stored in dry conditions and protected from direct sunlight. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product. Ambicat LE4472 is sensitive to moisture and is therefore delivered with low moisture content, ready to be used. Pre-drying is not recommended, as it will destroy the drying agent that has been added to prevent the material to take up moisture. The bags must be properly resealed between uses, as even short periods of storage in humid conditions may cause scorch during extrusion.

For detailed information on usage of Ambicat LE4472 together with Visico base resins LE4421, LE4423 and ME4425, please refer to our insulation system product datasheets.

Product compliance documents

Latest versions of product safety information sheets (PSIS), product safety data sheets (SDS) and other product liability documents are available in our website www.borealisgroup.com.

Sustainability aspects

Borealis is ever mindful of the impact of our products on the planet. We promote Design for Circularity (DfC) and Design for Recycling (DfR) to conserve natural resources and to reduce the environmental impact of products over their entire lifetime (including production, use phase and after phase). DfR helps ensure that material can be effectively recycled while maximizing the material performance efficiency. Further information on sustainability and Design for Recycling (DfR) can be found from our websites www.borealisgroup.com and www.borealiseverminds.com.

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