

MAKROBRITE

About

MAKROBRITE is a concentrate of optical brightener (OB) on a polymer carrier, applicable for a wide range of polyolefins, where the look of the end product is a main criterion of its commercial success. **MAKROBRITE** enhances the look very impressively, it changes a natural colour to a 'sparkling' natural and a white to a 'sparkling' white.

How it works ?

The effect of optical brightening is based on the principle of selective absorption of sunlight. OB absorbs UV radiation in a range of 320-400 nm and re-emits it in a visible wavelengths range. Dominating part of re-emitted radiation is blue light. Its emission suppresses yellow and makes the polymer whiter for human eye.

What provides ?

Imparts a 'sparkling' look to a natural polymer and to some lighter shades of colours. Imparts a 'sparkling' look even to a yellowish polymer. **MAKROBRITE** helps to improve the colour of your polymer after multiple processing or technical or waste recyclings.

Application

MAKROBRITE is recommended for the materials for interior applications, where no special UV stability is needed. Due to its reaction mechanism it slightly interferes with UV stabilizers and reduces their efficiencies down by about 20%. Thus the use of **MAKROBRITE** for outdoor applications is not recommended.

Dosage and toxicological properties

Due to its high efficiency in polyolefins, addition of 1% **MAKROBRITE** will do for most applications. This level complies with many hygienic regulations, beside others complies with FDA (U.S.A.) and BfR (Germany). In technical applications, where no contact with foodstuffs is expected, even higher dosage levels may be used.

Packaging

25 kg LDPE bags

Storage

MAKROBRITE should be stored at a dry, cool place, in the absence of direct sunlight. Material does not require any special way of handling.