



LASER MARKING P0242

Product Description

P0242 is a laser marking master-batch. It is designed for the 1064nm wavelength employed by normally used YAG Laser and are claimed provide marking that is significantly darker without surface roughness. It increases sharpness of marked lines. It is accepted as the best way to permanently mark thermoplastics in some industries.

It is polyethylene based master-batch which is applied in closures, other packaging materials to allow marking for date coding, special promotions, anti-counterfeiting, in serial numbers on electronic components, barcodes on animal ear tags or best before dates on food packaging.

General

Uses as	Master-batch
Agency Ratings	Meet European Standards for food packaging
Appearance	Grey
Forms	Pellets
Processing Method	Molding, Extrusion

Physical

Value approx.

Specific Gravity	1.03g/cm ³
Bulk Density	0.61 g/cc
Moisture Content	<0.2 %

Recommendation

The recommended addition rate is 3 - 6 % or depends on the application. Its concentration must be determines on a case-by-case basis. It is depending on the additive used and the polymer formulations. Loading for the master-batch can be as low as 0.1% by weight in the final part, while more standard loading is 0.3 - 0.5 %.

The products are suitable for use in a wide range of processes such as blown and cast extrusion, injection molding, extruded sheets etc.

Packaging & Storage

P0242 master-batch is available in 25kgs bags which are PE liner inside and PP woven outer side. It can be stored up to maximum 12 months at 25°C for optimum performance. Higher temperature might reduce storage time considerably.

The above details are given to the best of our knowledge and experience but are only meant as suggestion without obligation.

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