



Environmental-friendly Laser Marking  
Pigment

环保型激光镭雕添加剂



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LASERSAFE is a new generation of laser marking additives based on a heavy metal-free pigment which renders it suitable for today's eco-friendly markets. Exceptional contrasts at high speeds and superior quality can be achieved with LASERSAFE. These additives are suitable for use with all standard lamp technology, such as the Nd:YAG laser system operating at 1064nm. They are suitable for high marking speeds whilst exhibiting high contrasts with all type faces.

LASERSAFE 040 and 042 are designed for plastics which are inherently poor for laser marking such as polyolefins (HDPE, LDPE, LLDPE, PP and PP-copo) as well as engineering plastics like PA, PET, PS/SAN, PC/ABS, etc. Due to their excellent laser marking efficiency, even at low dosage levels, LASERSAFE 040 and 042 offer good color stability of the final formulation.

LASERSAFE 是新一代的激光镭雕添加剂。其基于不含重金属的颜料，适合当今讲求生态环保的市场需求。使用 LASERSAFE 可快速获取优质的高反差颜色标记，适用于所有标准激光灯管技术，例如波长为 1064nm 的 Nd:YAG 激光打标机。LASERSAFE 适应高速打标，可显现出高反差色的各种字体。

LASERSAFE 40 和 042 被专门设计用于各种难以被激光镭雕的塑料材料，包括聚烯烃塑料（如 HDPE, LDPE, LLDPE, PP 和共聚物型 PP）以及各种工程塑料（如 PA, PET, PS/SAN, PC/ABS 等）。LASERSAFE 可以带来极高的激光打标效率，由于添加量极低，不会对配方的色彩稳定性带来影响。



For easy dosing, LASERSAFE 040 and 042 are available in pellet form and can thus be handled and processed as easily as a color masterbatch. The carrier material is based on a thermoplastic polyolefin.

The standard packaging for LASERSAFE 040 and 042 is a 25 kg PE bag in carton. The products are not categorized as "Dangerous Goods" according to IATA-DGR, IMDG-Code and ADR-Regulations.

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LASERSAFE 40 和 042 均被制备成条状，添加时可如色母料般方便地进行计量。该产品的载体是一种聚烯烃热塑材料。LASERSAFE 的标准包装是 25kg PE 袋外加纸箱。依据 IATA 危险品分类、IMDG 编码以及 ADR 协议，该产品并非危险品，可进行安全运输。

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