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With compliments

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S Series

应用于塑料的高白亮条状金属颜料
High Brilliant Aluminium Pigment Pellets for
Plastic Applications



S Series

应用于塑料的高白亮条状金属颜料 High Brilliant Aluminium Pigment Pellets for Plastic Applications

产品描述

MASTERSAFE® ZP 的 S 系列具有优异的白亮度和出色的银色外观效果，是专门为塑料应用而开发的产品。其基础颜料结合了两种技术优势，第一种是通过高端的球磨工艺实现的特殊表面处理，第二种是通过铝颜料的精心优选而实现窄粒径分布。

产品特点

- 高白亮汽车品质铝颜料
- 通过塑料着色实现免喷涂
- 易于分散在各种聚合物系统中
- 易于操作和计量
- 可自动计量
- 无尘产品或工艺
- 操作安全（无粉尘操作/无爆炸性）

Product Description

MASTERSAFE® ZP S series is designed specifically to provide outstanding brilliance and extreme silver optics for molded plastic parts. The base pigment combines the technology of special surface treatment through a high-end milling process and narrow particle size distribution with careful selection of premium aluminium granules.

Product Features

- Bright automotive quality aluminium pigment
- Replacing painting parts by molded-in-colour parts
- Easy to disperse in various polymer systems
- Easy handling & dosing
- Automatic metering possible
- Dust-free product / processing
- Safe handling (no powder handling / explosive)



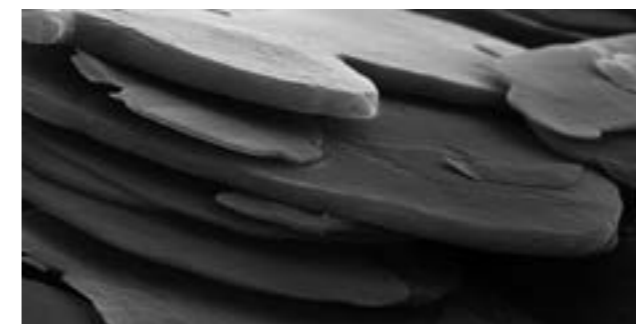
型号 / Type	粒径分布 / Particle size distribution D 50 µm 约值 / Approx.	载体 / Carrier	颜料含量 / Pigment Content
MASTERSAFE® ZP 12-20S	12	聚烯烃 / Polyolefin	80%
MASTERSAFE® ZP 15-20S	15	聚烯烃 / Polyolefin	80%
MASTERSAFE® ZP 23-10S	23	聚烯烃 / Polyolefin	90%



亮度和剪切稳定性

由于采用了特殊的表面抛光和窄粒径筛选工艺，MASTERSAFE® ZP 的 S 系列颜料为塑料提供了极佳的亮度，这是使用常规的银元型或者玉米片型的铝颜料无法达到的。和传统的铝颜料相比，该系列内部的颜料薄片具有特殊的形态，从而在塑料加工过程中表现出更好的耐剪切性能。

SEM 图片



MASTERSAFE® ZP S 系列 / MASTERSAFE® ZP S series

目标客户和市场

MASTERSAFE® ZP 的 S 系列专为需要高亮度和反射率的应用而设计。在塑料上的着色，它可以实现比常规铝颜料更加接近银色喷漆效果，从而可以完美地实现免喷涂。

目标应用包括:

- 汽车塑料零件
- 家用电器
- 电器外壳
- 便携式电脑或台式电脑
- 化妆品包装等

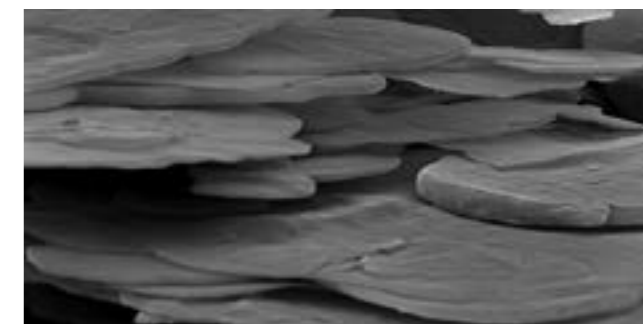
MASTERSAFE® ZP 的 S 系列可用于多种塑料加工工艺，如挤出、注塑、吹塑、吹膜或流延膜挤出。产品与多种塑料有很好的相容性，包括：LDPE、HDPE、PP、PS、ABS、PA 和其它工程塑料。



Brilliance and Shear Stability

Due to special surface treatment process and narrow particle sizing, MASTERSAFE® ZP S series provides excellent brilliance and effect for plastics which can hardly be achieved with traditional silver dollar or cornflake aluminium pigment. The aluminium pigment flake within our MASTERSAFE® ZP S series has special morphology comparing with conventional aluminium pigment. This can additionally offer higher shear stability than conventional aluminium pigments when needed..

SEM picture



常规颜料 / Conventional pigments

Customers/Market Sector

MASTERSAFE® ZP S series grades are designed for applications which desire high brightness and reflectivity. In plastics mass tinting technology, it offers perfect replacement opportunities for coated/painted surfaces with a much closer silver effect than standard aluminium pigments in plastic tinting.

Target applications include:

- Automotive plastics parts
- Household appliances
- Electrical housing
- Tablets & computers
- Cosmetic packaging, etc.

MASTERSAFE® ZP S series can be used for numerous plastic processing such as: Extrusion, Injection molding, Blow molding, Blown film or cast film extrusion. The series is compatible with various polymer systems like LDPE, HDPE, PP, PS, ABS, PA and other engineering resins.