



Product Presentation ECS 2023

Title: KA100 High dielectric functional pigment for Powder Coatings

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Abstract:

Vibrantz's KA100 functional pigment is suitable for promoting charging characteristics in powder coatings.

KA100 is based on a ferroelectric ceramic material with high dielectric behavior (ability to hold an electrical charge), and it is permanently polarized in a high-voltage field.

KA100 promotes powder-charging characteristics in powder coatings based on its dielectric behavior. It therefore provides coating homogeneity, high first pass transfer efficiency and high penetration in Faraday cage areas.

This powder coating enhancement enables you to gain productivity in painting processes and reduce the cost of application (waste, time and energy savings up to >25%). Furthermore, the improved surface coverage reinforces corrosion protection, especially in the corners of non-uniform metallic pieces.