

Charge-Enhancing Agent – Tribo System Jav-add 03003

Introduction:

Jav-add 03003 acts as a tribo gun charging aid for various groups of powder coatings. By imparting a positive charge, “Jav-add 03003” increases the dielectric constant of the coating powder and enhances the powder's electrostatic charging capability. As a result, deposition efficiency and first-pass transfer are improved.

General Specifications:

Appearance	White Powder
Non-Volatile Content	Min. 98.5%

Application:Jav-add 03003 is easily mixed with other components of coating powder during the pre-mix stage. It can be used in a wide range of epoxy, polyester, polyurethane, and acrylic-based powders applied with a tribo gun.

Usage Level:Jav-add 03003 is added to the formulation during the pre-mix stage. The recommended dosage is 0.5–1.2% of the total formulation weight. The exact amount should be determined through laboratory testing.

Suggested Starting Formulation:

RM	Supplier	Weight%
Pe-055 ¹	Jav Alvan Avar	33
EP-112 ²	Jav Alvan Avar	27
TiO ₂	-	20
Jav-add 03003	Jav Afzooneh Avar	1
New add 16038 ³	Jav Afzooneh Avar	0.4
New add 16027 ⁴	Jav Afzooneh Avar	1
New fill 0201 ⁵	Jav Alvan Avar	17.6
1. polyester resin (55/45) 2. epoxy equivalent weight:700-750 3. Degassing agent 4. Flow&Leveling agent 5. blanc fixe		

Packaging:Jav-add 03003 is supplied in 25 kg PE bags .

Storage Conditions:store in a low-humidity environment at a temperature of 2-32 °C .It must be kept away from direct sunlight and heat source. Under these conditions, the shelf life is 12 months from the date of production

Safety:Appropriate personal protective equipment, including respiratory protection and safety glasses, should be worn during handling and use of the product. For further safety information, please refer to the Safety Data Sheet (SDS).