Technical Data Sheet

Carboxyl Acrylic Resins for Matting Powder Coatings Rimatt RC7150C

Description
Rimatt RC7150C is a carboxyl-functional, solid acrylic resin for matting epoxy-based powder coatings and is best suited to create 60° gloss values <10%. The formulated coatings demonstrate good smoothness and exceptional mechanical and chemical resistance properties. In contrast to powders made with other gloss modification technologies, those formulated with RC7150C show little or no gloss deviation when exposed to varying oven or storage temperatures. Low gloss / low bake compositions (for as low as 140°C) are possible by curing the epoxy with epoxy hardener, such as epoxy hardener G-91 (Estron), HT-2844 (Huntsman), Dyhard OTB (Evonik) or Epikure P-104 (Hexion) and matting with the RC7150C. In this manner, the curing agent and matting agent are working independently. The epoxy curing agent level is maintained at its normal recommended dosage for curing purposes, and the RC7150C causes the matting to occur. As with any raw material, laboratory evaluation is required for each formulation to determine the best processing method and the optimum concentration of the binder components.

Technical Data

Appearance: Pale yellowish granules
Acid number: 140-160mgKOH/g
Viscosity (@200°C): 10000-15000mPa.s
Non-volatile: Min.99%

Packing
25kgs net per paper bag

Storage and Handling
Store it in the cool and dry place and close packages after use to avoid moisture

Shelf Life
At least 1 year when properly stored

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