

## BYK-3955 P

Powdered processing additive with pigment-affinic groups for powder coatings. It improves pigment loading, specifically with carbon black pigments, and leveling.

### Product Data

#### Composition

Copolymer with pigment-affinic groups, adsorbed on silicon dioxide

#### Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C):	1.37 g/ml
Active substance:	63 %
Residue after calcining:	35 %
Supplied as:	Powder

#### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://www.byk.com) for further information.

### Applications

#### Powder Coatings

##### Special Features and Benefits

BYK-3955 P is a copolymer with pigment-affinic groups that are especially suited to carbon black pigments. It improves the dispersion of the carbon black pigments and enables higher pigment contents. Leveling (DOI – distinctness of image) is increased and use of this product results in better out-gassing of the powder coating and a higher electrostatic chargeability.

##### Recommended Levels

0.5-2 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

##### Incorporation and Processing Instructions

The additive is mixed with resin, hardener, pigments and other raw materials in a high-speed mixer and then extruded. Good dispersion of the additive by the extruder promotes gloss and leveling of the powder coating and prevents the formation of craters, fish eyes and seeds.

##### Special Note

The processing additive should always be used in combination with a standard leveling additive.

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Data Sheet  
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This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases.

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