

BYK-P 4101

Polymeric processing additive to improve the processing properties and the mechanical resistance of thermoplastic compounds.

Product Data

Composition

Copolymer with acidic groups, adsorbed on silicon dioxide

Typical Properties

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

Bulk density: 530 kg/m³

Food Contact Legal Status

The additive is suitable for applications that come into contact with food. For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Applications

Thermoplastics

Special Features and Benefits

BYK-P 4101 adsorbs on the surface of the filler and therefore brings about optimum process parameters, e.g. viscosity, torque build-up and throughput. The additive also improves the mechanical properties (tensile strength, E-modulus, HDT and Charpy impact strength) in the finished part by the formation of physical bonds between the filler particles and the polymer.

Recommended Use

BYK-P 4101 is recommended for filled, thermoplastic compounds:

PE, PP, PA	<input checked="" type="checkbox"/>
ABS, PVC	<input type="checkbox"/>

☒ especially recommended ☐ recommended

Recommended Levels

0.25-1.5 % additive (as supplied) based on the filler.

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 can be added to the filler or the plastic prior to or during compounding.

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Additive Guide



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