BYK-P 4200

Processing additive for thermoplastics (particularly based on PE and PP) to reduce the odor and VOC emissions in the end product.

Product Data

Composition
Aqueous solution of polymeric, surface-active substances adsorbed onto a polypropylene carrier

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

Bulk density:	370 kg/m³
MVR of the carrier (446 °F, 2.16 kg, ISO 1133):	2-3 cm³/10 min
Melting point:	320 °F

Food Contact Legal Status
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
The addition of BYK-P 4200 during vacuum degassing reduces or even entirely removes the components of the compound that cause odor and emissions. The additive has no negative influence on the mechanical and optical properties of the mixture. It is simple to handle and no additional investment in machinery is required.

Recommended Use
The additive is particularly recommended for PE-based and PP-based thermoplastic compounds and also for ABS.

Recommended Levels
0.5-2 % additive (as supplied) based on the 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
BYK-P 4200 should be added to the thermoplastic during or prior to compounding. For optimum performance of the additive, vacuum degassing at a minimum of 100 mbar is recommended. It should preferably be processed using only one degassing vent just before the end of the extruder.

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Additive Guide

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