

BYK-1161

Highly effective, plasticizer-free dispersing medium for solid dispersions for use in PVC plastisols. Particularly suited to inorganic pigments and fillers.

Product Data

Composition

Combination of surface-active substances

Typical Properties

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

Acid value:	8 mg KOH/g
Density (68 °F):	7.43 lbs/US gal
Refractive index (68 °F):	1.460
Non-volatile matter (10 min., 302 °F):	95 %
Flash point:	> 284 °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.

Storage and Transportation

Separation or turbidity may occur at temperatures below 0 °C (32 °F). Warm to 20 °C (68 °F) and mix well. Do not exceed 50 °C (122 °F).

Applications

PVC Plastisols

Special Features and Benefits

The plasticizer-free dispersing medium BYK-1161 contains monofunctional, deflocculating groups for wetting and stabilizing inorganic solids such as CaCO₃, TiO₂, ZnO, and iron oxide pigments. The achievable concentration of solids for inorganic fillers is generally between 40 and 85 %, with titanium dioxide between 60 and 85 %. The formulation of the solid dispersions with BYK-1161 presents the following advantages compared with standard systems:

- Greater concentration of solids with lower agglomeration
- Narrower particle size distribution
- Free from plasticizers
- Cost savings

Incorporation and Processing Instructions

The solids are incorporated directly into the dispersing medium.

Special Note

- An additional additivation with wetting and dispersing additives is possible at any time.
- If sedimentation or separation occurs in the formulation, this can generally be avoided by adding 0.2-1 % of BYK-410.



Additive Guide



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