



A Subsidiary of PETRONAS Chemicals Group

PRODUCT DATA SHEET

BRB Siloen® PDA 222

Coatings and Inks

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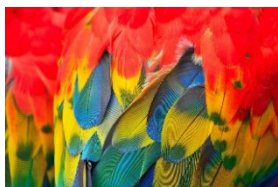
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BRB Siloen® PDA 222

Pigment Dispersant Additive



Description

BRB Siloen® PDA 222 is an alkyl modified siloxane.

Application

Dispersant processing aid for pigments, fillers and additives used in paints or plastic applications.

Features

- Liquid, easy to handle
- Improve dispersion properties of inorganic fillers (TiO₂, talc), both organic and inorganic pigments as well as flame retardants
- Can also be used as liquid dispersant in masterbatches manufacturing

Benefits

- Allows higher filler/pigment contents
- Improve water repellency
- Better gloss and color strength enhancement
- Higher heat resistance than organic dispersant, avoid yellowing
- Prevent pigment floating and flooding, improve pigment dispersion stabilization
- Cost effective

Typical Data

Parameter	Unit	Value
Appearance		Pale yellow to clear liquid
Active content	%	100
Viscosity (25°C)	mPa.s	400
Density (25°C)	g/cm ³	0.91
Flash point	°C	116

How to Use

Treat pigments by spray drying or during the grinding operation. BRB Siloen® PDA 222 is highly temperature resistant, even when grinding the pigment above 200°C.

In case of titanium dioxide, depending of the quality used, dosage can range from 0.5 to 4%, lower TiO₂ quality will require higher BRB Siloen® PDA 222 dosage.

When used to manufacture masterbatches, mono and/or multiple pigments, BRB Siloen® PDA 222 is generally dosed between 1 to 3% to allow up to 30-40 % organic pigment filling.

BRB Siloen® PDA 222 can be used with PE, EVA, PP, PA, PET and PBT.

BRB Siloen® PDA 222 complies with FDA 21 CFR 178.3725 (Pigment dispersants) for use as a pigment dispersant in all polymers at levels up to 0.5 % by weight of the pigment.

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A Product Safety Data Sheet should be obtained from your BRB office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

FOR MORE INFORMATION

Please contact

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IMPORTANT NOTICE

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