

GENIOPLAST® FLUID 220



Siliconadditive

GENIOPLAST® FLUID 220 is a clear, colorless and odorless liquid.

Properties

GENIOPLAST® FLUID 220 is a reactive, organomodified, silicone based polymer additive with a viscosity of approx. 2000 mPa.s. GENIOPLAST® FLUID 220 is specifically designed to be used in halogen-free, flame retardant (HFFR) polyolefinic and elastomeric compounds.

GENIOPLAST® FLUID 220 allows the formulation of compounds highly filled with hydrated minerals, such as aluminium trihydrate (ATH) or magnesium dihydroxide (MDH). Due to its specific structure it improves the dispersion of fillers and flame retardants in polyolefin compounds. So it acts as a co-synergist together with inorganic fillers to finally improve the LOI of HFFR compounds.

GENIOPLAST® FLUID 220 also improves the permanent scratch resistance of filled polyolefin compounds due to its interaction with the inorganic fillers.

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	colorless, clear	ASTM D 624
Content	-	100 %	-
Sugessted use level	-	1 - 4 %	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Store in a dry and cool place.

Applications

- Thermoplastics & Elastomers

Application details

GENIOPLAST® FLUID 220 can be applied as liquid additive in conventional compounding equipment for the manufacture of HFFR compounds. GENIOPLAST® FLUID 220 will provide several benefits to the final polymer formulation and its processing:

- Improved flame retardance
- Reduced flammability
- Higher LOI value
- Improved scratch resistance
- Improved processing / internal lubrication
- Higher output by improved polymer melt flow
- Less pressure built up by viscosity reduction
- Reduced deposits in the compounding equipment or on the die of the extruder
- Reduced abrasion during polymer processing

Packaging and storage

Packaging

GENIOPLAST® FLUID 220 is available in
- 200 KG drum

- 5 KG pail

Storage

The 'Best use before end' date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code GENIOPLAST® FLUID 220



For technical, quality or product safety questions, please contact:

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