

GENIOPLAST® PELLET P PLUS



Siliconadditive

GENIOPLAST® PELLET P PLUS is a pelletized silicone gum formulation with an outstanding high loading of ultrahigh molecular weight (uhmw) siloxane polymer.



Properties

GENIOPLAST® PELLET P PLUS does not contain any thermoplastic resin as a carrier but some quantity of fumed silica instead. Fumed silica as a constituent of the pelletized formulation does not show any adverse effect in the application when used as a compounding additive in thermoplastic systems to impart benefits such as processing improvements and modification of surface characteristics.

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	translucent, whitish pellets	-
fumed silica content	-	approx. 30 %	-
siloxane polymer content	-	approx. 70 %	-
suggested use level	-	0.1 - 5 %	-

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.

Applications

- Thermoplastics & Elastomers

Application details

GENIOPLAST® PELLET P PLUS is an additive specifically designed for the compounding and masterbatch industry. Suitable equipment for compounding comprises twin-screw extruder, co-kneader, and batch-mixer. Because of its high thermal stability, GENIOPLAST® PELLET P PLUS can be applied over a wide temperature range, up to 300 °C (570 °F). Compounding and subsequent processing conditions are determined by the thermoplastic resin GENIOPLAST® PELLET P PLUS is added to. For the compounding process, GENIOPLAST® PELLET P PLUS can be added at the feeding zone of the extruder either as pre-mix together with the resin polymer pellets or via separate feeding unit; it can also be added via side-feeder. It is recommended to avoid pressure when feeding GENIOPLAST® PELLET P PLUS which may result in deformation of the pellets.

Additive for

- polyolefin compounds
- engineering plastics compounds
- TPE compounds

Packaging and storage

Packaging

GENIOPLAST® PELLET P PLUS is available in 15 kg and 270 kg cardboard box.

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/genioplast>.

QR Code GENIOPLAST® PELLET P PLUS



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

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