

GENIOPLAST® PELLET 345

GENIOPLAST®

Siliconmodifier

GENIOPLAST® PELLET 345 is a soft, highly transparent, thermoplastic elastomeric silicone copolymer.



Properties

GENIOPLAST® PELLET 345 is a silicone copolymer containing over 90 % siloxane. On account of its structure and the high siloxane content, the material is highly flexible. GENIOPLAST® PELLET 345 contains neither plasticizers nor reinforcing fillers. It can be processed using standard thermoplastic processing techniques. The high siloxane content prevents impairment of the elastomeric properties at low temperatures.

Technical data

General Characteristics

Property	Condition	Value	Method
Bulk density	-	600 - 700 kg/m ³	-
Chemical characterization	-	Polydimethylsiloxane with functional groups	-
Colour	-	colourless	-
Density	25 °C	0.995 g/cm ³	-
Form	-	granular	-
appearance	-	transparent pellets	-

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.

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

Applications

- Plastic Additives
- Thermoplastics & Elastomers

Application details

GENIOPLAST® PELLET 345 is an additive specifically designed for the compounding and masterbatch industry. Suitable equipment comprises twin screw extruders or co-kneaders. For the compounding process GENIOPLAST® PELLET 345 can be added at the feeding zone of the extruder either as a pre-mix together with resin polymer pellets or via separate feeding units. GENIOPLAST® PELLET 345 can be applied up to 220 °C (428 °F). Compounding and subsequent processing conditions are determined by the thermoplastic resin GENIOPLAST® PELLET 345 is added to.

Application fields:

- Processing aid for plastics processing
- Polymer Additiv to improve flow and mechanical properties
- Slip additive for bi-oriented Polypropylene films (BOPP)

To improve its flow properties, the material may be powdered with approx. 1500 ppm WACKER fumed silica (HDK®) that disperses throughout the elastomer following thermoplastic processing. This small amount of fumed silica has no influence on the mechanical properties of GENIOPLAST® PELLET 345

Packaging and storage

Packaging

- 25 kg bag
- 500 kg Octabin

Storage

Further information for storage:

Store in a dry and cool place. 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® PELLET 345



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

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