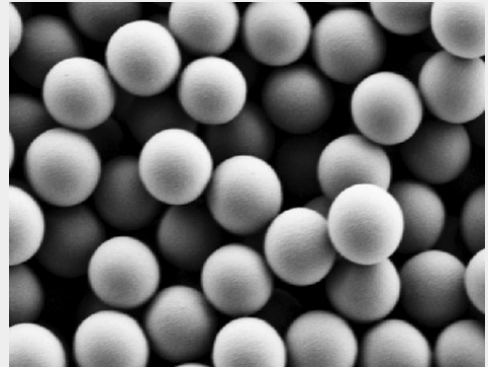


GENIOPERL[®] P15

Siliconmodifier

GENIOPERL[®] P15 spherical silicone beads are characterized by a narrow particle size distribution having a mean particle diameter of approximately 4.5 microns. Because of their uniform particle size, high thermal stability and low surface energy they are excellent candidates to be used as additives in cast film extrusion processes where slip and antiblock properties are required.

CAS No. 68554-70-1 | Empirical formula $[\text{CH}_3\text{O}_{3/2}\text{Si}]_n$



Properties

GENIOPERL[®] P15 enhances antiblocking and slip for polyolefin and polyester films such as BOPP or BOPET due to its spherical geometry and its narrow particle size distribution.

1. GENIOPERL[®] P15 can be compounded with thermoplastics using typical polymer processing equipment (e.g. extruders) without degradation because of the high heat resistance.
2. GENIOPERL[®] P15 enables stable, low coefficient of friction (CoF) surfaces.
3. GENIOPERL[®] P15 enables the manufacturing of highly transparent films.
4. GENIOPERL[®] P15 does not alter the printability of films containing the product.
5. GENIOPERL[®] P15 does not migrate.

Applications

- Plastic Additives

Application details

- Silicone beads for BOPP Film Applications
- Silicone beads for BOPET Film Applications
- Silicone beads for BOPE Film Applications

Low coefficient of friction surfaces can be obtained with typical use levels of GENIOPERL[®] P15 between 0.05 and 0.2 %. GENIOPERL[®] P15 provides also good hot-slip properties and therefore enables easy and fast processing in typical extrusion processes. The antiblocking properties of GENIOPERL[®] P15 might prevent adhesion during film production and facilitate storage of film products containing GENIOPERL[®] P15.

The small differences between the respective refractive indices of GENIOPERL[®] P15 and the polyolefin matrix combined with low addition levels yield films of high transparency and with high gloss.

Packaging and storage

Packaging

25 kg drum

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 GENIOPERL® P15



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

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The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.