



SABIC® LDPE 1965T

Low density polyethylene for masterbatch compounding

Description

SABIC® LDPE 1965T is an additive free standard CTR® tubular grade for masterbatch with a low viscosity. This grade has a very high filler acceptance.

Application

SABIC® LDPE 1965T is a masterbatch grade typically for injection moulding applications, where high filler acceptance and good flow properties are required.

Typical data.

Revision 20060418

Properties	Units SI	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 190 °C and 2.16 kg	g/10 min	65	ISO 1133
Density	kg/m ³	919	ISO 1183
Thermal properties			
Vicat softening temperature at 10 N (VST/A)	°C	75	ISO 306
DSC test melting point	°C	104	DIN 53765
enthalpy change	J/g	95	

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General information. SABIC Europe produces low density polyethylene by SABIC's CTR® tubular reactor process and the autoclave reactor process. SABIC® LDPE grades for masterbatch are available in a wide range of melt flow rates. All grades are characterized by their good basic stability. They do not contain any catalyst, residues or additives.

The grades produced by tubular reactor technology are very homogeneous materials of high constant quality.

The grades produced by autoclave reactor technology are characterized by their high purity. Compared with "tubular" grades they show a typical broad molecular weight distribution.

SABIC® LDPE grades with their variety of viscosities are very suitable for both additives, black, white and colour masterbatches with varying amounts of additives and/or pigments (good wettability).

SABIC® LDPE has a good compatibility with other polyethylenes and polyethylene copolymers. So masterbatches based on SABIC® LDPE will have good distribution in various polyethylene media.

Health, Safety and Food Contact regulations. Detailed information is provided in the relevant Material Safety Datasheet and or Standard Food Declaration, available on the Internet (www.SABIC-europe.com). Additional specific information can be requested via your local Sales Office.

Quality. SABIC Europe is fully certified in accordance with the internationally accepted quality standard ISO 9001-2000. It is SABIC Europe's policy to supply materials that meet customers specifications and needs and to keep up its reputation as a pre-eminent, reliable supplier of e.g. polyethylenes.

Storage and handling. Polyethylenes resins (in pelletised or powder form) should be stored in such a way that it prevents exposure to direct sunlight and/or heat, as this may lead to quality deterioration. The storage location should also be dry, dust free and the ambient temperature should not exceed 50 °C. Not complying with these precautionary measures can lead to a degradation of the product which can result in colour changes, bad smell and inadequate product performance. It is also advisable to process polyethylene resins (in pelletised or powder form) within 6 months after delivery, this because also excessive aging of polyethylene can lead to a deterioration in quality.

Environment and recycling. The environmental aspects of any packaging material do not only imply waste issues but have to be considered in relation with the use of natural resources, the preservations of foodstuffs, etc. SABIC Europe considers polyethylene to be an environmentally efficient packaging material. Its low specific energy consumption and insignificant emissions to air and water designate polyethylene as the ecological alternative in comparison with the traditional packaging materials. Recycling of packaging materials is supported by SABIC Europe whenever ecological and social benefits are achieved and where a social infrastructure for selective collecting and sorting of packaging is fostered. Whenever 'thermal' recycling of packaging (i.e. incineration with energy recovery) is carried out, polyethylene -with its fairly simple molecular structure and low amount of additives- is considered to be a trouble-free fuel.