

SABIC[®] LDPE POWDER 1922P5

LOW DENSITY POLYETHYLENE

DESCRIPTION

SABIC[®] LDPE Powder 1922P5 is an additive free CTR[®] tubular grade with a typically high purity and as such a fine material for masterbatches in film applications.

Application

SABIC[®] LDPE Powder 1922P5 is a medium sized powder grade. Since the grade is supplied in powder form it is typically used for pre mixing. The flow and dispersion of pigments and additives that tend towards blocking are typically improved by adding this grade.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 190 °C and 2.16 kg	22	dg/min	ISO 1133
Density	919	kg/m ³	ASTM D1505
Bulk Density	340	kg/m ³	ISO 60
Dry flow	23	sec	ISO 6186
Particle size powder	<600	µm	ASTM D1921
THERMAL PROPERTIES			
Vicat Softening Temperature			
at 10 N (VST/A)	83	°C	ISO 306
DSC test			
melting point	107	°C	DIN 53765
enthalpy change	104	J/g	DIN 53765

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 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 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.