

SABIC[®] LDPE POWDER 2102P5

LOW DENSITY POLYETHYLENE

DESCRIPTION

SABIC[®] LDPE Powder 2102P5 is an additive free standard CTR[®] tubular grade for masterbatch with a relatively low melt flow rate. This grade is supplied in powder form.

Application

SABIC[®] LDPE Powder 2102P5 is a general medium sized powder grade, typical used for textile coating, carpet backing and compounding applications with a low viscosity. Further it can be used for low filled or additive masterbatches (e.g. slip agents, anti fog agents, anti static agents, thermal stabilizers).

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 | 1.9 | dg/min | ISO 1133 |
| Density | 921 | kg/m ³ | ASTM D1505 |
| Bulk Density | | | |
| Method B | 340 | kg/m ³ | ASTM D1895 |
| Dry flow | 23 | sec | ISO 6186 |
| Particle size powder | <600 | µm | ASTM D1921 |
| THERMAL PROPERTIES | | | |
| Vicat Softening Temperature | | | |
| at 10 N (VST/A) | 91 | °C | ISO 306 |
| DSC test | | | |
| melting point | 109 | °C | SABIC method |
| enthalpy change | 110 | J/g | SABIC method |

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.com). Additional specific information can be requested via your local Sales Office.

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.