FKuR Kunststoff Bio-FlexÂ® F 6513 Compostable PLA Blend

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polylactic Acid (PLA) Biopolymer

Material Notes:

The BIO-FLEXÂ® trade name indicates blends of co-polyester and PLA* with, depending on the particular grade, a very high content of natural resource material. BIO-FLEXÂ® does not contain any starch or starch derivatives. Bioplastics generally replace conventional materials such as low density polyethylene (LDPE), high density polythene (HDPE) as well as polystyrene (PS) and polypropylene (PP). For packaging applications these materials need to be converted into film which is as thin as possible while maintaining high tensile strength. Depending on the specific application, packaging films have to provide a high barrier against humidity, oxygen and aromas or alternatively provide adequate permeability (â€œbreathabilityâ€).BIO-FLEXÂ® F 6513 is a certified GMO-free and is a further development consistent with the current product portfolio. BIO-FLEXÂ® F 6513 is ideally used for injection moulding. It is pleasant to the touch and has a pearlescent gloss. With a heat distortion temperature of approximately130 Â°C (which is achieved by appropriate processing) it has outstanding heat resistance for a bioplastic. Furthermore, BIO-FLEXÂ® F 6513 is biodegradable with a high percentage of renewable resource raw materials. Information Provided by FKuR Kunststoff GmbH

Order this product through the following link:
http://www.lookpolymers.com/polymer_FKuR-Kunststoff-Bio-Flex-F-6513-Compostable-PLA-Blend.php

Physical Properties	Metric	English	Comments
Melt Flow	14 - 18 g/10 min @Load 2.16 kg, Temperature 190 Â°C	14 - 18 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength	42.0 MPa	6090 psi	ISO 527
Tensile Stress	40.0 MPa	5800 psi	At break; ISO 527
Elongation at Break	4.7 %	4.7 %	ISO 527
Elongation at Yield	4.3 %	4.3 %	ISO 527
Tensile Modulus	2.96 GPa	429 ksi	ISO 527
Charpy Impact Unnotched	5.800 J/cmÂ² @Temperature 23.0 Â°C	27.60 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179-1/1eU
Charpy Impact, Notched	0.450 J/cmÂ² @Temperature 23.0 Â°C	2.14 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179-1/1eA

Thermal Properties	Metric	English	Comments
Melting Point	150 - 170 Â°C	302 - 338 Â°F	ISO 3146-C

Thermal Properties	Metric	English	Comments
Vicat Softening Point	>= 130 Â°C	>= 266 Â°F	A. Influenced by the processing conditions. Proper conditions can lead to softening about 130Â°C; ISO 306

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China