

FKuR Kunststoff Biograde® C 6530 Biodegradable Plastic Compound

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Wood and Natural Products

Material Notes:

BIOGRADE® are easy to process blends based on cellulose. BIOGRADE® is composed mainly of natural resources. Based on cellulose, a product of the paper industry BIOGRADE® has been especially designed for injection molding applications. BIOGRADE® is mainly composed of natural resource materials (European Soft Wood from sustainable forestry) and does not contain starch or starch derivatives. Furthermore BIOGRADE® has the following advantages: high content of natural resource materials excellent heat resistance - up to 115 °C injection mouldable on conventional injection moulding equipment processable with multi-cavity moulds flat sheet / film suitable for thermoforming on conventional deep drawing machinery properties comparable to polystyrene: rigid and transparent depending on grade. Food contact approved Biodegradability certified by independent organisations. BIOGRADE® C 6530 is a consistent further development of BIOGRADE® C 9550. BIOGRADE® C 6530 is especially suitable for the production of injection moulded rigid parts and those with thin walls and long flow paths. This optimization are possible through the appropriate and unique combination of additives and natural fillers. Thereby it features similar characteristics as BIOGRADE® C 9550. Information Provided by FKUR Kunststoff GmbH

Order this product through the following link:

http://www.lookpolymers.com/polymer_FKuR-Kunststoff-Biograde-C-6530-Biodegradable-Plastic-Compound.php

Physical Properties	Metric	English	Comments
Bulk Density	0.890 g/cc	0.0322 lb/in ³	ISO 60
Density	1.49 g/cc	0.0538 lb/in ³	ISO 1183
Melt Flow	27 - 31 g/10 min @Load 5.00 kg, Temperature 230 °C	27 - 31 g/10 min @Load 11.0 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Stress	44.0 MPa	6380 psi	At break; ISO 527
Tensile Strength, Yield	46.0 MPa	6670 psi	ISO 527
Elongation at Break	5.5 %	5.5 %	ISO 527
Elongation at Yield	9.0 %	9.0 %	ISO 527
Tensile Modulus	3.15 GPa	457 ksi	ISO 527
Flexural Yield Strength	58.0 MPa @Strain 3.50 %	8410 psi @Strain 3.50 %	ISO 178
Flexural Modulus	3.00 GPa	435 ksi	ISO 178
Charpy Impact Unnotched	3.50 J/cm ² @Temperature 23.0 °C	16.7 ft-lb/in ² @Temperature 73.4 °F	ISO 179-1/1eU

Mechanical Properties	Metric kJ/cm ²	English ft.-lb/in ²	Comments
Charpy Impact, Notched	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	ISO 179-1/1eA

Thermal Properties	Metric	English	Comments
Melting Point	>= 180 Â°C	>= 356 Â°F	ISO 3146-C
Vicat Softening Point	107 Â°C	225 Â°F	A; ISO 306

Descriptive Properties	Value	Comments
Flexural strain at break (%)	No break	ISO 178
Melt Volume Flow (cm ³ /10 min)	20.5-23.5	ISO 1133; 230Â°C, 5kg

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