

FKuR Kunststoff Fibrolon® F 8530 Biodegradable Wood-Plastic Compound, Fiber Reinforced

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

Material Notes:

FIBROLON® are fiber reinforced compounds. Depending on specific customer requirements either a biodegradable polymer or a polyolefin can be used as the polymeric matrix. With the brand name of FIBROLON® FKUR has developed natural fiber reinforced compounds (Wood-Plastics-Composites: WPC), which, unlike many other WPC, can be injection molded without problems. Furthermore it is possible to process FIBROLON® to complex profiles, panels and hollow profiles and/or into components for the automotive interiors. FIBROLON® compounds are distinguished by high strength and a stiffness comparable to wood. Information Provided by FKUR Kunststoff GmbH

Order this product through the following link:

http://www.lookpolymers.com/polymer_FKuR-Kunststoff-Fibrolon-F-8530-Biodegradable-Wood-Plastic-Compound-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Bulk Density	0.640 g/cc	0.0231 lb/in ³	ISO 60
Density	1.10 g/cc	0.0397 lb/in ³	ISO 1183
Melt Flow	9.0 - 11 g/10 min @Load 5.00 kg, Temperature 190 °C	9.0 - 11 g/10 min @Load 11.0 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	34.0 MPa	4930 psi	ISO 527
Tensile Strength, Yield	34.0 MPa	4930 psi	ISO 527
Elongation at Break	3.8 %	3.8 %	ISO 527
Elongation at Yield	3.4 %	3.4 %	ISO 527
Tensile Modulus	3.80 GPa	551 ksi	ISO 527
Flexural Modulus	3.70 GPa	537 ksi	ISO 178
Charpy Impact Unnotched	1.17 J/cm ² @Temperature 23.0 °C	5.57 ft-lb/in ² @Temperature 73.4 °F	ISO 179-1/1eU
Charpy Impact, Notched	0.480 J/cm ² @Temperature 23.0 °C	2.28 ft-lb/in ² @Temperature 73.4 °F	ISO 179-1/1eA

Thermal Properties	Metric	English	Comments
Melting Point	150 - 160 °C	302 - 320 °F	ISO 3146-C

Thermal Properties	Metric	English	Comments
Descriptive Properties			
Melt Volume Flow (cm ³ /10 min)		7-9	ISO 1133; 190Å°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