

FKuR Kunststoff Fibrolon® P 7550 Wood-Plastic Compound, Fiber Reinforced

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polypropylene (PP) , Wood and Natural Products

Material Notes:

FIBROLON® are fiber reinforced compounds. Fibrolon® P 7550 has a polypropylene base. 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-P-7550-Wood-Plastic-Compound-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Bulk Density	0.460 g/cc	0.0166 lb/in ³	ISO 60
Density	1.03 g/cc	0.0372 lb/in ³	ISO 1183
Melt Flow	13 - 15 g/10 min @Load 5.00 kg, Temperature 230 °C	13 - 15 g/10 min @Load 11.0 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	22.0 MPa	3190 psi	ISO 527
Tensile Strength, Yield	22.0 MPa	3190 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Elongation at Yield	3.0 %	3.0 %	ISO 527
Tensile Modulus	3.25 GPa	471 ksi	ISO 527
Flexural Yield Strength	32.0 MPa	4640 psi	at 3.5% strain; 4% strain at break; ISO 178
Flexural Modulus	3.55 GPa	515 ksi	ISO 178
Charpy Impact Unnotched	0.790 J/cm ² @Temperature 23.0 °C	3.76 ft-lb/in ² @Temperature 73.4 °F	ISO 179-1/1eU
Charpy Impact, Notched	0.330 J/cm ² @Temperature 23.0 °C	1.57 ft-lb/in ² @Temperature 73.4 °F	ISO 179-1/1eA

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	150 - 180 Â°C Metric	302 - 356 Â°F English	ISO 3146-C Comments
Vicat Softening Point	139 Â°C	282 Â°F	A; ISO 306

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