

## FKuR Kunststoff Fibrolon® P 8540 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 8540 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-8540-Wood-Plastic-Compound-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_FKuR-Kunststoff-Fibrolon-P-8540-Wood-Plastic-Compound-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.360 g/cc	0.0130 lb/in <sup>3</sup>	ISO 60
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	ISO 1183
Melt Flow	2.0 - 3.0 g/10 min @Load 5.00 kg, Temperature 190 °C	2.0 - 3.0 g/10 min @Load 11.0 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	24.0 MPa	3480 psi	ISO 527
Tensile Strength, Yield	26.0 MPa	3770 psi	ISO 527
Elongation at Break	4.5 %	4.5 %	ISO 527
Elongation at Yield	3.0 %	3.0 %	ISO 527
Tensile Modulus	3.40 GPa	493 ksi	ISO 527
Flexural Yield Strength	41.0 MPa	5950 psi	at 3.5% strain; 6% strain at break; ISO 178
Flexural Modulus	3.50 GPa	508 ksi	ISO 178
Charpy Impact Unnotched	1.10 J/cm <sup>2</sup> @Temperature 23.0 °C	5.23 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179-1/1eU
Charpy Impact, Notched	0.360 J/cm <sup>2</sup> @Temperature 23.0 °C	1.71 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179-1/1eA

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	160 - 180 Å°C Metric	320 - 356 Å°F English	ISO 3146-C Comments
Vicat Softening Point	155 Å°C	311 Å°F	A; ISO 306

Descriptive Properties	Value	Comments
Melt Volume Flow (cm <sup>3</sup> /10 min)	3-4	ISO 1133; 190Å°C, 5kg

## Contact Songhan Plastic Technology Co.,Ltd.

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