

Technical data sheet

Product name:

Fibrolon® F 8530

Date of issue: 20.01.2010

(prev. Fibrolon® B 53 AW)

Version: 3.0

Page 1 / 1

1. Designation of product, preparation and manufacturer

1.1 Trade name:	Fibrolon® F 8530 (prev. Fibrolon® B 53 AW)
1.2 Use of product:	Biodegradable and natural fibre reinforced compound made primarily from renewable resources for injection moulding
1.3 Manufacturer:	FKuR Kunststoff GmbH Siemensring 79 D - 47 877 Willich Phone: + 49 (0) 2154 / 92 51-0 Fax: + 49 (0) 2154 / 92 51-51 Mail: info@fkur.com Web: www.fkur.com

2. Mechanical properties

Tensile modulus of elasticity	3800	[MPa]	ISO 527
Tensile strength	34	[MPa]	ISO 527
Tensile strain at tensile strength	3.4	[%]	ISO 527
Tensile stress at break	34	[MPa]	ISO 527
Tensile strain at break	3.8	[%]	ISO 527
Flexural modulus	3700	[MPa]	ISO 178
Flexural strain at break	3	[%]	ISO 178
Flexural stress at 3.5 % strain	-	[MPa]	ISO 178
Notched impact strength (Charpy), RT	4.8	[kJ/m²]	ISO 179-1/1 eA
Impact strength (Charpy), RT	11.7	[kJ/m²]	ISO 179-1/1 eU
Density	1.1	[g/cm³]	ISO 1183
Bulk density	640	[kg/m³]	ISO 60

3. Thermal properties

Melt temperature	150 - 160	[°C]	ISO 3146-C
Softening point Vicat A	72	[°C]	ISO 306
Melt volume rate (190 °C/5 kg)	7 - 9	[cm³/10 min]	ISO 1133
Melt flow rate (190 °C/5 kg)	9 - 11	[g/10 min]	ISO 1133

4. Legal notice

The values listed have been established on standardized test specimens at standard temperature and humidity conditions. The figures should be regarded as guide values only. Under certain conditions the properties can be influenced to a significant extent by the processing conditions.

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