

**Product Texts**

Compounded formulation comprising ABS with 30 wt% FibraQ mixed via a Twin-screw extruder. The samples also include 2% coupling agent. No further additives were used, such as impact modifier or flowability aids, though they could be used to further improve some of the properties.

FibraQ is Biofiber Tech´s product, consisting of surface-modified wood fibers with enhanced hydrophobicity, low moisture absorption and high flowability within polymer matrices.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	9.72	g/10min	ISO 1133
Temperature	190	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	4500	MPa	ISO 527
Stress at break	45	MPa	ISO 527
Strain at break	1.4	%	ISO 527
Charpy impact strength, +23°C	8	kJ/m <sup>2</sup>	ISO 179/1eU
Shore D hardness	78	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Vicat softening temperature, A	95	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1120	kg/m <sup>3</sup>	ISO 1183
Biobased content	30	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	190 - 210	°C	-

**Characteristics****Processing**

Injection Molding

**Certifications**

Contains renewable resources

**Delivery form**

Pellets

**Regional Availability**

Europe