

**Product Texts**

Compounded formulation containing 20% FibraQ thermoplastic elastomer mixed via a Twinscrew extruder. The granulate 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.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>0.24</b>	g/10min	ISO 1133
Temperature	<b>190</b>	°C	-
Load	<b>5</b>	kg	-

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Stress at break TPE	<b>5</b>	MPa	ISO 527
Strain at break TPE	<b>48</b>	%	ISO 527
Shore A hardness	<b>90</b>	-	ISO 7619-1
Shore D hardness	<b>36</b>	-	ISO 7619-1

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Biobased content	<b>20</b>	%	-

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Melt temperature	<b>185 - 200</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Certifications**

Contains renewable resources

**Regional Availability**

Europe