

Product Texts

Compounded formulation containing 30% FibraQ and thermoplastic elastomer mixed via a Twin-screw 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.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2070	MPa	ISO 527
Tensile Strength	10.3	MPa	ISO 527
Strain at break TPE	23.8	%	ISO 527

Other properties	Value	Unit	Test Standard
Density	1040	kg/m ³	ISO 1183
Biobased content	30	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	160 - 180	°C	-

Characteristics

Processing

Injection Molding

Certifications

Contains renewable resources

Delivery form

Pellets

Regional Availability

Europe