FibraQ®

a natural alternative to plastic

Fibra Q 1.0

Biofibre granule 1.0 is based on 100% high aspect ratio wood fibres that have been chemically modified with a patented technology to become more "plastic like". The fibres are hydrophobic and delivered in compacted form and can be mixed with polymers to produce high-performing bio granulate.

Polymer matrices	**PP, PE, bio-PE, recycled PP and PE, PLA**
Usage	Injection- and compression mouldable products
Benefits	- Low moisture absorption / Low moisture content - Easy to feed / high through-put / no bridging - Improved dispersion and compatibility w base material

Fibre granules properties	
Form	Compacted granule
Wood species	Spruce
Content	100% Chemically modified lignocellulosic wood fibre
Dryness	>90%
Granule size	Diameter 6 mm in various lengths
Bulk density	480 – 530 kg/m3
Packaging	25 kg bag / 500 kg Big bag

Production guidelines	
Drying before compounding	3-4 hours at 90°C
Recommended additives	MAPP (2-3%) for PP, MAPE (2-3%) for
PE Recommended barrel temp	Less than 180 °C after incorporation of fibre
Max melt temperature	210°C
Compounder screw design	Low shear, distributive screw
Feeding	Downstream feeding (Side feeder) of Fibra Q
Feeding screw	Fibre granule can be fed w granule feeder Bags should be sealed after use
Handling	Inside tempered storage

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