

## Sappi Symbio PP60 concentrate

Natural fibre reinforced polypropylene

### Product description

Sappi Symbio PP60 is a 60% cellulose fibre reinforced stabilized concentrate, specially developed for dilution with polypropylene matrices. It consists of virgin polypropylene and specifically selected and treated cellulose. The concentrate is designed and engineered for optimal dispersion in a polymer matrix, contributing to excellent final properties. Due to its good balance between density, stiffness and impact resistance it can be used for a variety of applications.

### Product Characteristics

<b>Status</b>	Commercial
<b>Processing methods</b>	Injection Molding
<b>Availability</b>	Global
<b>Features</b>	<ul style="list-style-type: none"> <li>● low density</li> <li>● soft and warm touch</li> <li>● good aesthetics</li> <li>● renewable content</li> <li>● good processability</li> <li>● low water absorption</li> <li>● good sound/damping</li> <li>● very good heat resistance</li> <li>● excellent scratch resistance</li> </ul>
<b>Applications</b>	Automotive interior, Consumer electronics, Furniture, Appliances
<b>Dilution</b>	Different concentrations according with the intended use, indicative properties of the final compounds can be shared by the supplier
<b>Sustainability</b>	The fibres come from sustainable and controlled sources, It can be recycled or burned for energy.
<b>Appearance</b>	Off-white granules

### Typical Properties

Property	Test method	Value	Unit
Fibre content		60	Weight %
Density	ISO 1183	1.2	g/cm <sup>3</sup>

**Pretreatment** It is recommended to dry Sappi Symbio PP60 at 115°C for 4 hours prior to use.

### Processing guidelines

To prevent coloring and degradation of the material, dwell time should be as short as possible and maximum processing temperatures should not exceed 210°C. A higher thermal load may cause degradation or smoldering.

### Storage and handling

Sappi Symbio grades should be stored in a way to prevent direct exposure to sunlight and/or heat. The storage area should also be dry and preferably the temperature should not exceed 50°C. Sappi Symbio does not give warranty to bad storage conditions which may lead to quality deterioration such as moisture absorption, color change, bad smell or inadequate product performance.

### Recycling and end life

The product is suitable for recycling methods such as shredding, re-grinding and cleaning. A separate Safety Data Sheet is available for Sappi Symbio material products, giving more detailed information on health hazards and handling.

For more information please contact the Sappi Symbio Sales Team.

### Disclaimer

The information in this document is given in good faith and reflects our knowledge and experience at the time of printing or presentation. Typical values do not imply a warranty or guarantee for any specific property. Customers are responsible for ensuring a product is suitable for their specific application and conditions of use and that all legal and safety requirements are complied with.