CONFIDENTIAL

JutePP® - Jute fibre reinforced plastic granule

an alternative sustainable raw material for mould injection finished plastic products

a Swedish solution; made in Bangladesh with premium quality

Jute Plant

Jute Fibre

JutePP® combining Virgin PP

Key Impacts/benefits of JutePP®:

- 1 tone JutePP® reduces 1.14 tone CO2 (est.) almost half the amount of the virgin polypropylene.
- JutePP® is highly cost effective, over other bioplastics as well as traditional plastics in the market.
- The input raw material Jute is processed from a sustainable value chain under farmer to factory jute supply chain™ with high social impact to thousands of farmers and families in Bangladesh.

Tests based on ISO 527 standard

JutePP®	Jute Content	Major Polymer Content	Other content	Strain at Break (%)	Tensile Strength (MPa)	Young's Modulus (GPa)
Jute + PP	35%	Virgin Polypropylene	MAPP & SEB	3.3	45.9	4.0
Jute + PP	50%	Virgin Polypropylene	MAPP & SEB	2.3	48.6	5.2

*Suggested temperature range in the injection moulding to be used 170℃ to 190℃

Probable applications:

Any plastic products for example cloth hangers, household plastic products, products in construction industries, automotive parts etc made of plastics. However, depending on the finished plastic products requirements, the recipe might need to alter accordingly.

**Price is subject to discussion*

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JutePP®	Jute Content	Major Polymer Content	Other content	Strain at Break (%)	Tensile Strength (MPa)	Young's Modulus (GPa)
Jute + PP	40%	Virgin Polypropylene	MAPP	2.4	37.4	4.6
Jute + PP	50%	Virgin Polypropylene	MAPP	2.1	41.8	5.6

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Tests based on ISO 527 standard

JutePP®	Jute Content	Major Polymer Content	Other content	Strain at Break (%)	Tensile Strength (MPa)	Young's Modulus (GPa)
Jute + PP	40%	Virgin Polypropylene	N/A	1.8	26.4	5.4

*Suggested temperature range in the injection moulding to be used 170℃ to 190℃

Probable applications:

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JutePP® combining Recycled Plastics

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- The input raw material Jute is processed from a sustainable value chain under farmer to factory jute supply chain™ with high social impact to thousands of farmers and families in Bangladesh.

Tests based on ISO 527 standard

JutePP®	Jute Content	Major Polymer Content	Other content	Strain at Break (%)	Tensile Strength (MPa)	Young's Modulus (GPa)
Jute + RPP	35%	Recycled PP	MAPP & SEB	3.2	43.7	3.9
Jute + RPP	50%	Recycled PP	MAPP & SEB	1.8	44.4	5.0

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Probable applications:

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