



CHEMURGY: COST-BENEFIT ANALYSIS OF THE USE OF AGRICULTURAL WASTE AS AN ADDITIVE FOR PLASTIC MATERIALS

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A close-up photograph of a mossy surface, likely a tree trunk or rock, with a semi-transparent grey banner across the middle. The text 'PARADIGMA PRODUTTIVO' is written in a bold, black, sans-serif font on the banner. The background is a soft-focus green and yellow, suggesting a natural outdoor setting.

PARADIGMA PRODUTTIVO

The background of the image is a close-up, macro shot of a mossy surface. The moss is a mix of green and yellowish-brown, with some small, thin blades of grass or other plants visible. The lighting is soft and natural, creating a textured and organic feel. A semi-transparent, light-colored rectangular box is overlaid horizontally across the middle of the image, containing the main title text.

IMPIEGO DI RIFIUTI AGRICOLI PER LA PRODUZIONE DI PLASTICHE



SIMBIOSI INDUSTRIALE TRA SETTORE PRIMARIO E SECONDARIO



Polimeri vegetali con biomasse

Resistente
Finitura superficiale
Colore naturale

A close-up photograph of a mossy surface, likely a tree trunk or rock, with a semi-transparent horizontal band across the middle. The text "BIO-BASED" is centered within this band in a bold, black, sans-serif font. The background is a soft-focus natural scene with green and brown tones.

BIO-BASED



Alabastro



Albicocca



Canapa



Carciofo



Etna



Fico d'India



Ginestra



Melograno



Sansa



Uovo



Carrubo



Arancia rossa



Grano



Arancia gialla



Vinacciolo

FILAMENTI



WEED



HEMP



TOMATO


- INNOVAZIONE
- SOSTENIBILITÀ
- QUALITÀ





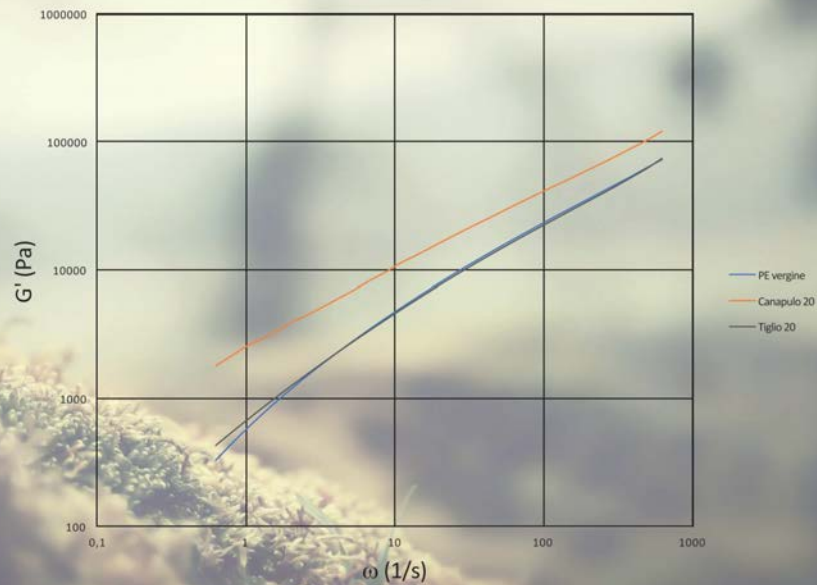
HEMP



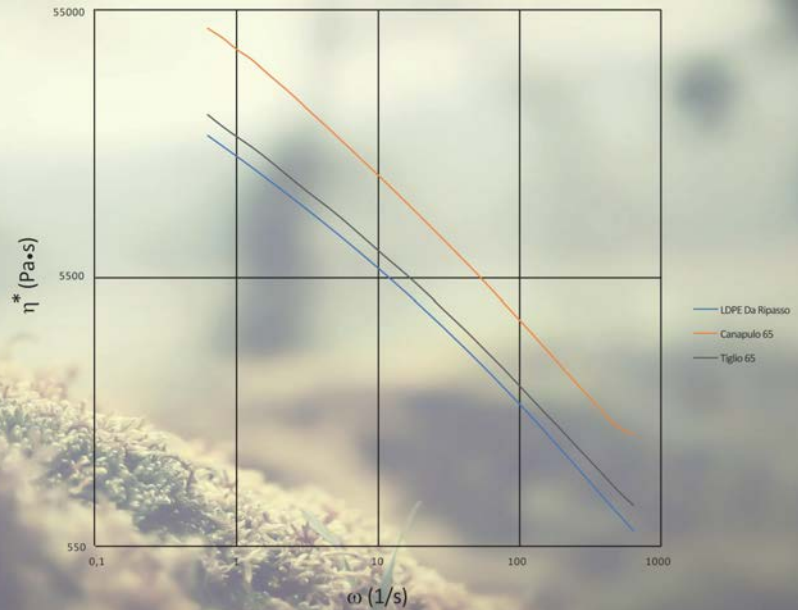


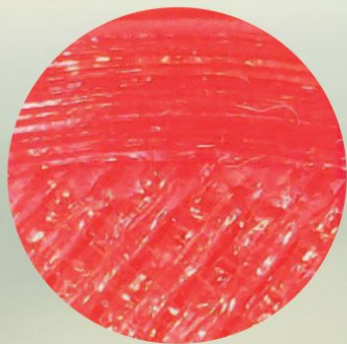
Material	Young	Sforzo/Rott.	Bio	Peso Spec.
HBP®	3,2 GPa	35 MPa	SI	0,96
PLA	1,9 GPa	28 MPa	SI	1,24
NYLON	3,0 GPa	70 MPa	NO	1,1
PVC	1,5 GPa	53 MPa	NO	1,4
PP	1,1 GPa	35 MPa	NO	0,89

PE100_Carica20



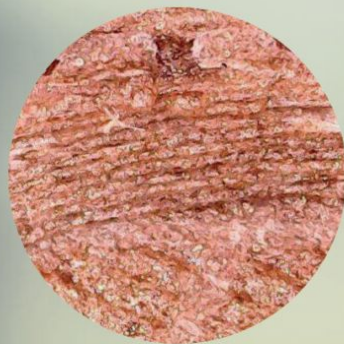
LDPE100_Carica65





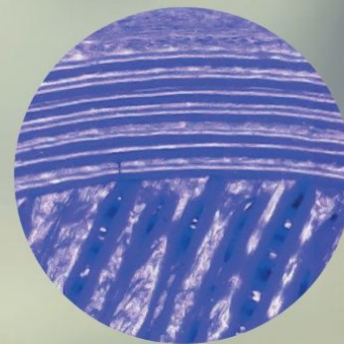
Detail of 3D print in PLA

Normal fusion between
the different layers



Detail of 3D print in HBP[®]

Higher quality fusion between
the different layers



Detail of 3D print in ABS

Normal fusion between
the different layers



I VANTAGGI PER IL SETTORE TERMOPLASTICO



MINORI COSTI DI PRODUZIONE

The background of the image shows a close-up of green moss growing on a dark, textured rock surface. The lighting is soft and natural, highlighting the intricate details of the moss. A semi-transparent white rectangular box is centered horizontally across the middle of the image, containing the text.

CARATTERISTICHE FISICHE MAGGIORATE



IDENTITA'



BIO-BASED

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