MYNUSCO

Innovating to empower champions of sustainability

Biocomposites Materials & Circular Solutions

Platform for circular economy adoption with biocomposite materials and products

BIOCOMPOSITES

CLIMATE FRIENDLY MATERIAL

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Plastics play an important role in our lives - they improved healthcare, food security, transport safety, home comfort, etc. However, plastics increase CO2 emissions and account to 5% of global GHG emissions.

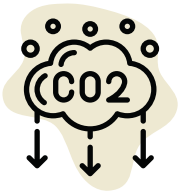
Biocomposites made from crop-residue, sourced sustainably from farm, factory or forest are a great alternative to plastics. They help reduce carbon footprint, conserve resources and support circular economy by preventing waste cross the product lifecycle.

BioDur BioDur Biocomposites offer benefits of plastics suitable for durable products and recycled after use. They are affordable, climate friendly alternative to plastics.

BioPur BioPur Biocomposites are compostable alternatives to plastics, suitable for accessories, disposable rigid packaging applications.

BENEFITS

REDUCE CO2



CONSERVE

PERFORMANCE

LOOK & FEEL

MADE FROM

BAMBOO

WOOD

HUSK

STRAW

COIR

PINE

WIDE RANGE OF APPLICATIONS

END TO END SERVICE

MATERIAL SUPPORT

We support you with material selection & new material development

PROCESS SUPPORT

We support you with moulding & processing of material at your site

PRODUCT SUPPORT

Product development and manufacturing support for your diverse needs

LCA SUPPORT

Proprietary technology to track your product sustainability footprint

OUR BIOCOMPOSITES

Material Family	Bio Content (%)	Recycle Content (%)	Binder	Tensile Strength (MPA)	Flexural Modulus (GPA)	Elongation (%)	Notched Impact (KJ/M2)	HDT (@ 0.46 MPA, Deg C)	Density	Mold Shrinkage %	Remarks
BioDur - S	20 - 90	0 - 80	Recycled, fossil or bio-based	30 - 60	2.0 - 5.0	2.0 - 6.0	2.5 - 5.0	120 - 155	0.94 - 1.1	0.6 - 1.0	Standard stiffness applications
BioDur - I	20 - 80	0 - 70	Recycled, fossil or bio-based	20 - 40	0.8 - 2.0	4.0 - 15.0	5 - 25	110 - 145	0.94 - 1.1	0.6 - 1.0	Flexible & high impact applications
BioPur - B	40 - 100	-	Fossil or bio-based	10 - 40	0.1 - 4.5	1.5 - 500	4.0 - 24	70 - 130	1.25 - 1.35	< 0.1	Fibers, starch & compostable binders
BioPur - M	20 - 70	-	Fossil or bio-based	14 - 50	0.1 - 4.0	6 - 500	4.0 - 24	70 - 130	1.3 - 1.4	< 0.1	Minerals & compostable binders
BioPur - N	20 - 80	-	Fossil or bio-based	20 - 50	0.4 - 3.0	25 - 550	11 - 55	60 - 80	1.24 - 1.26	< 0.1	Blend of compostable binders

BioDur products are recyclable and BioPur products are compostable at the end of their use. We have more than 1000 grades to choose from. If your product & process needs are unique, we can customize colour, fiber choice (bamboo, husk, wood, starch, etc.), fiber visibility (high, medium, low), MFI & properties.

MYNUSCO
Biomaterials platform for circular economy

Choosing the right material may not be easy. We are happy to share our experience to help you with your choice. For more information, visit www.mynusco.com, email marketing@mynusco.com, or visit our office in Mumbai or Bengaluru.