

MYNUSCO 



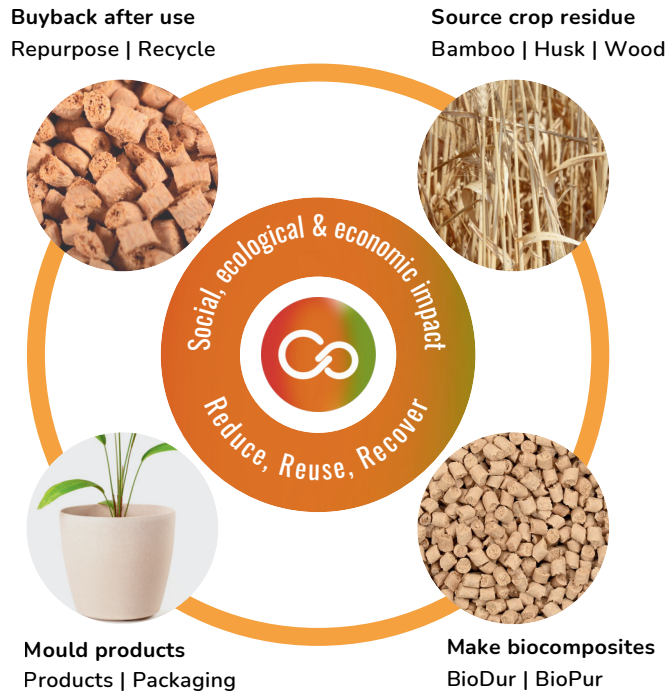
Biomaterials & Circular Solutions

Empowering champions of sustainability

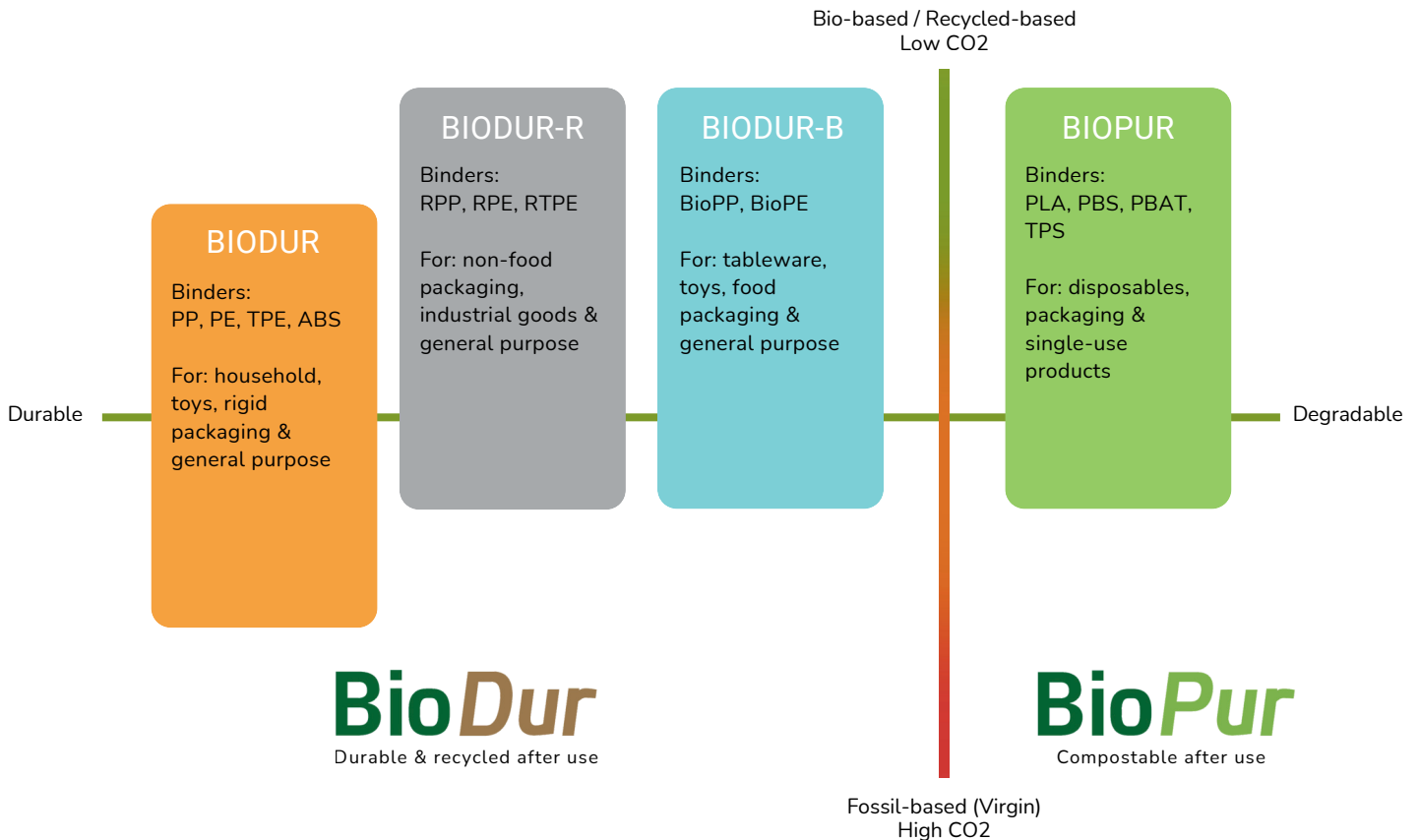
Platform for circular economy adoption with
biocomposite materials and products



PLATFORM FOR CIRCULAR ECONOMY



PATHS FOR SUSTAINABLE PLASTICS



MATERIAL FAMILY	MATERIAL GRADE	RELATIVE DENSITY	MFI (190° C / 2.16 KG)	TENSILE STRENGTH	ELONGATION AT BREAK	FLEXURAL MODULUS	NOTCHED IMPACT	HDT (@ 455 KPA)	NATURAL FIBERS	BIO CONTENT	RECYCLED CONTENT	CARBON FOOTPRINT	MOULDING PROCESS	APPLICATIONS
		gm/cm³	g/10min	MPA	%	MPA	J/m	°C	%	%	%	kg Co2e		
		ASTM	ASTM D1238	ASTM D638	ASTM D638	ASTM D790A	ASTM D256	ASTM D256	MASS	MASS	MASS	ISO 14040/44		
BIODUR	PX20MS	0.96	20	36	3.5	2700	3.0	120	20	20	20	1.2	IM	Tableware, toys, food packaging, general purpose
BIODUR	PX30MS	1.0	15	38	3.2	3200	3.4	130	30	30	30	0.8	IM	Tableware, toys, food packaging, general purpose
BIODUR	PX40MS	1.04	12	40	2.8	3800	3.8	140	40	40	40	0.5	IM	Tableware, toys, food packaging, general purpose
BIODUR	PX50MS	1.08	10	42	2.5	4000	4.0	150	50	50	50	0.1	IM	Tableware, toys, food packaging, general purpose
BIODUR	PX20MI	0.96	20	22	8.0	1200	8.0	110	20	20	20	1.2	IM	Tableware, toys, food packaging, general purpose
BIODUR	PX20MI2	0.96	20	16	12.0	800	-	105	20	20	20	1.2	IM	Tableware, toys, food packaging, general purpose
BIODUR	PX20MI3	0.96	20	12	15.0	500	-	105	20	20	20	1.2	IM	Tableware, toys, food packaging, general purpose
BIODUR	PX30MI	1.0	15	24	6.0	1600	9.0	120	30	30	30	0.8	IM	Tableware, toys, food packaging, general purpose
BIODUR	PX30MI2	1.0	15	18	10	1000	-	115	30	30	30	0.8	IM	Tableware, toys, food packaging, general purpose
BIODUR	PX20MSG	1.02	15	43	3.5	3400	3.0	110	130	10	10	1.6	IM	Automotive, furniture, industrial and construction
BIODUR	PX30MSG	1.06	12	47	3.0	4000	3.5	110	140	15	15	1.4	IM	Automotive, furniture, industrial and construction
BIODUR	EX10SSB	0.98	0.6	26	9.0	1000	-	110	10	10	10	1.6	BM	Semi-flexible packaging, toys, household, general purpose
BIODUR	EX15SIB	1.0	0.6	28	8.0	1100	-	115	15	15	15	1.4	BM	Semi-flexible packaging, toys, household, general purpose
BIODUR	LX10MSR	0.96	4.0	20	15.0	700	12	110	10	10	10	1.6	RM	Large planters, furniture, pallets, industrial containers and products
BIODUR	LX15MSR	0.98	3.8	22	12.0	800	10	110	15	15	15	1.4	RM	Large planters, furniture, pallets, industrial containers and products
BIODUR-R	RX10MS	0.96	12	38	2.5	3000	2.5	110	10	10	>95	0.5	IM	Non-food packaging, industrial goods, general purpose
BIODUR-R	RX20MS	1.0	10	38	2.5	3000	2.5	110	20	20	>95	0.3	IM	Non-food packaging, industrial goods, general purpose
BIODUR-R	RX30MS	1.04	8	38	2.5	3000	2.5	110	30	30	>95	0.0	IM	Non-food packaging, industrial goods, general purpose
BIODUR-R	RX20MI	1.0	12	38	2.5	3000	2.5	110	20	20	>85	0.4	IM	Non-food packaging, industrial goods, general purpose
BIODUR-R	RX30MI	1.04	8	38	2.5	3000	2.5	110	30	30	>85	0.1	IM	Non-food packaging, industrial goods, general purpose
BIODUR-R	RUX10MS	1.0	8	38	2.5	3000	2.5	110	10	10	>95	0.0	IM	Non-food packaging, industrial goods, general purpose
BIODUR-R	RUX10MI	1.0	8	38	2.5	3000	2.5	110	10	10	>85	0.1	IM	Non-food packaging, industrial goods, general purpose
BIODUR-R	REX10MIB	1.0	1.0	27	7.0	1000	-	110	10	10	>50	1.0	BM	Non-food packaging, industrial goods, general purpose
BIODUR-R	RLX10MIR	0.98	4.0	21	10	750	-	110	10	10	>50	1.0	RM	Large planters, furniture, pallets, industrial containers and products
BIODUR-R	RUEX10MIB	1.03	1.0	27	7.0	1000	-	110	10	10	>30	0.0	BM	Non-food packaging, industrial goods, general purpose
BIODUR-R	RULX10MIR	1.02	4.0	21	10	750	-	110	10	10	>30	0.1	RM	Large planters, furniture, pallets, industrial containers and products
BIODUR-B	BX20MS	0.96	20	36	3.5	2700	3.0	120	20	>50	>50	-0.4	IM	Tableware, toys, food packaging, general purpose
BIODUR-B	BX30MS	1.0	15	38	3.2	3200	3.4	130	30	>50	>50	-0.5	IM	Tableware, toys, food packaging, general purpose
BIODUR-B	BX20MI	0.96	20	22	8.0	1200	8.0	110	20	>50	>50	-0.4	IM	Tableware, toys, food packaging, general purpose
BIODUR-B	BX30MI	1.0	15	24	6.0	1600	9.0	120	30	>50	>50	-0.5	IM	Tableware, toys, food packaging, general purpose
BIOPUR	B5120	1.25	15	40	1.5	4500	3.5	80	>25	>99	>99	2.1	IM	Disposables, rigid packaging, single-use products
BIOPUR	B5123	1.30	18	40	2.0	4500	3.5	80	>20	>90	>90	2.1	IM	Disposables, rigid packaging, single-use products
BIOPUR	B7011	1.28	18	30	7.0	2000	6.5	110	10	>65	>65	3.7	IM	Disposables, rigid packaging, single-use products
BIOPUR	B7020	1.26	14	30	6.0	2000	6.0	110	20	>75	>75	3.5	IM	Disposables, rigid packaging, single-use products
BIOPUR	B7040	1.32	12	32	3.5	3000	3.0	110	20	>60	>60	2.9	IM	Disposables, rigid packaging, single-use products
BIOPUR	B7011T	1.28	4	30	7.0	2000	6.5	110	10	>65	>65	3.7	TF	Disposables, rigid & semi-flexible packaging, single-use products
BIOPUR	B7020T	1.26	3	30	6.0	2000	6.0	110	20	>75	>75	3.5	TF	Disposables, rigid & semi-flexible packaging, single-use products
BIOPUR	B6012B	1.26	3	10	15.0	400	-	65	10	>20	>20	4.5	BM	Disposables, semi-flexible packaging, single-use products
BIOPUR	B6013B	1.27	3	12	12.0	500	-	65	20	>20	>20	4.2	BM	Disposables, semi-flexible packaging, single-use products

Note: The values shared are typical characteristics and not to be taken as specifications.

Plastics play an important role in our lives - they improve healthcare, food security, transport safety, home comfort, and much more. However, traditional plastics are made from fossils with high CO2 emissions, accounting for 5% of global GHG emissions. Biocomposites made from crop-residue, sourced sustainably from farm, factory or forest are a drop-in alternative to conventional plastics. Biocomposites are a type of bioplastics that help reduce carbon footprint, conserve resources & support circular economy by preventing waste across the product lifecycle.

SUPPORTED MOULDING

INJECTION

Injection moulding for high volume & precision components

BLOW

Blow moulding for packaging & semi-flexible products

ROTO

Roto moulding for large industrial & consumer products

FORM

Profile extrusion, thermo-forming & vacuum-forming

SUITABLE FOR



MADE WITH CROP-WASTE



BAMBOO

WOOD

HUSK

STRAW

COIR

STARCH

END TO END SERVICE

MATERIAL SUPPORT

Material selection, supply & new material development

PROCESS SUPPORT

Moulding & processing of material at your site

PRODUCT SUPPORT

Product development and manufacturing

LCA SUPPORT

Tack your product sustainability footprint

ACCREDITATIONS & CERTIFICATIONS

