



beologic

Sustainable
**roto
moulding**
powders

Nature offers
us surprising
possibilities.



At the SDG group, our main goal is being part of a sustainable (work)environment. Through a common concern for the environment, we try to assist our customers and partners in the process towards carbon neutrality. In this way we try to continue working together for a sustainable future.



	Article number	Relative density	MFR (190°C/2,16 kg)	Tensile modulus	Tensile strength	Tensile stress at break	Elongation at break	Flexural modulus
UNIT		g/cm ³	g/10 min	MPa	MPa	MPa	%	MPa
STANDARD		ISO 1183-1	ISO 1133-1	ISO 527-1	ISO 527-1	ISO 527-1	ISO 527-1	ISO 178
Beobase PE RTM186	9802100186	0,90	3 - 3,5	670	15,0	14,6	605	440
Beobase PE RTM201	9802100201	0,90	4 - 4,5	883	17,0	14,4	727	571
Beobase 05 PE cotton RTM029 Black	0595020029	0,95	4 - 4,5	470	16,1	13,1	500	520
Beobase 05 PE flax shives RTM027	0595020027	0,93	8,5 - 9	242	8,0	7,7	67,7	212
Beobase 15 PE wood RTM179	1585020179	0,96	4 - 4,5	995	14,6	12,5	11,8	862
Beograde RTM050	9802070050	1,18	6,5 - 7	1200	22,1	20,4	298	997
Beocycle PE RTM216 OceanIX extra UV	9802100216	0,90	2 - 2,5	534	18,1	15,9	568	627
Beocycle PE RTM242 NordIX extra UV	9802100242	0,94	1,5 - 2	495	17,2	14,4	567	572
Beocycle PE artificial grass RTM235 UV	9802100235	0,94	4,3 - 4,8	339	18,7	18,5	640	419
Beocycle PE artificial grass RTM207	9802100207	0,90	1,8 - 2,3	279	21,1	20,8	698	335
Beocycle PE RTM236 terrazzo	9802100236	0,94	6 - 6,5	390	14,2	13,3	454	401
Beocycle PE RTM217 OceanIX foam	9802100217	0,21	NA	NA	NA	NA	NA	NA
Beosmart PE RTM237 foam	9802100237	0,22	NA	NA	NA	NA	NA	NA
Beosmart PE RTM212 sinkable	9802100212	1,03	7 - 7,5	746	15,6	15,4	544	485
Beosmart EVA RTM541 flexible	9807000541	0,92	35 - 40	NA	NA	NA	NA	NA

For keeping product properties we recommend to store the material in dry conditions below 50°C and protected from UV-light
If you do not find the right compound we can develop a formulation for your application.

You can find out more about us by visiting our website at: www.beologic.com.

Before using our compounds, customers and other users should make their own independent determination that the product is suitable for the intended use.
They should also ensure that they can use the compounds safely and legally. MSDS is available on request.

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Charpy impact strength notched (1e4)	Vicat softening point (B120)	Dry flow rate	Natural fibre content	Renewable content	Recycled content	Biodegradable	Carbon footprint	Main properties	Applications
kJ/m ²	°C	sec	%	-	%	-	kg CO ₂ eq/kg	-	-
ISO 179-1	ISO 306	-	-	-	-	EN13432	PAS 2050	-	-
55,1	52,1	22 - 25		★★★★			2,260	Bio-based content	Toys, Marine, Containers, Tanks, Food applications
20,2	59,8	22 - 25		★★★★			2,260	Bio-based content	Furniture, Toys, Boats, Containers, Tanks, Food applications
12,5	67,4	22 - 25	✓ ₅				2,027	Jeans look	Indoor products, Household, Gardening
34,9	NA	22 - 25	✓ ₅				2,021	Visual flax fibre	Gardening, Furniture
12,5	69,5	22 - 25	✓ ₁₅				1,847	Visual wood fibre	Toys, Outdoor products, Gardening, Furniture
84,4	49,0	22 - 25		★		✓	6,285*	Biodegradable	Gardening, Marine, Containers, Consumer goods, Food applications
16,4	58,3	22 - 25			>50		1,177	Recycled content, Ocean waste	Furniture, Gardening, Toys, Marine, Outdoor, Structural parts
14,4	67,5	22 - 25			>50		1,503	Recycled content, Land waste	Tanks, Containers, Indoor products, Outdoor products
81,7	58,3	22 - 25			>50		1,444	Recycled content, Artificial grass, UV stabilized	Gardening, Traffic, Outdoor products
87,5	54,6	22 - 25			>99		0,730	Recycled content, Artificial grass	Gardening, Traffic, Indoor products
32,2	55,6	22 - 25			>15		1,835	Recycled content, Stone look	Indoor products, Industrial, Household, Gardening
NA	NA	22 - 25			>98		1,170	Recycled content, Foam grade	Furniture, Foam, Boats, Traffic, Household
NA	NA	22 - 25					2,168	Foam grade	Furniture, Foam, Boats, Traffic, Household, Food packaging
57,1	59,5	22 - 25					1,847	Heavy weight, Sinkable	Marine, Industrial
NA	NA	22 - 25					2,250	Flexible, Shore A 65	Furniture, Toys, Flexible, Marine, Industrial, Consumer goods

* Our Beograde grades are made carbon neutral by offsetting through certified climate projects. Coloured in the mass compounds and other modifications are available on request. Other natural fibres are available on request.



A logical product range.





SUSTAINABLE DEVELOPMENT GROUP

www.sdg.be



A NATURAL IN COMPOUNDS

info@beologic.com
beologic.com



A NATURAL IN INNOVATION

info@innologic.be
innologic.be



CARBON FOOTPRINT CONSULTING

info@neutrologic.com
neutrologic.com



A NATURAL IN AUTOMATION

info@techniks.be
techniks.be



A NATURAL IN TOOLING

info@beotool.com
beotool.com