



Sustainable
extrusion
compounds

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)	MFR (200°C/5 kg)	MFR (220°C/10 kg)	MFR (230°C/2,16 kg)	Tensile modulus	Tensile strength	Tensile stress at break	Elongation at break
UNIT		g/cm ³	g/10 min	g/10 min	g/10 min	g/10 min	MPa	MPa	MPa	%
STANDARD		ISO 1183-1	ISO 1133-1	ISO 1133-1	ISO 1133-1	ISO 1133-1	ISO 527-1	ISO 527-1	ISO 527-1	ISO 527-1
Beobase 50 PVC wood EXT455 hydrostatic	5050030455	1,55 - 1,60					5690	45,0	45,0	1,7
Beobase 50 PVC wood EXT275	5050030275	1,35 - 1,40					5490	34,4	34,4	0,9
Beobase 50 rPVC wood EXT499	5050030499	1,33 - 1,38					4630	21,7	21,7	0,6
Beobase 50 PVC rice husk EXT396	5050030396	1,53 - 1,58					4300	26,7	26,6	1,6
Beobase 50 PVC wood COEX281	5050030281	1,25 - 1,30					4010	19,4	19,4	0,6
Beobase 20 ASA wood COEX048	2080070048	1,10 - 1,15			4 - 4,5		3160	36,6	34,3	3,2
Beobase 70 PE wood EXT047	7030020047	0,95 - 1,00	< 0,5				3510	20,1	20,0	0,8
Beobase 70 PE wood EXT131	7030020131	0,95 - 1,00	< 0,5				2600	16,2	16,1	1,2
Beobase 40 PP wood EXT072	4060050072	0,98 - 1,03				11 - 12	3130	26,1	25,1	2,9
Beobase 25 EVA wood EXT025	2575070025	0,98 - 1,03	0,9 - 1				207	7,7	6,0	24,6
Beograde EXT041	9802070041	1,25 - 1,35	3 - 4				3250	46,0	12,3	6,6
Beograde EXT042	9802070042	1,25 - 1,35	3 - 4				2090	31,4	14,5	25,9
Beograde EXT052	9802070052	1,20 - 1,30	7 - 8				1010	26,0	20,8	305
Beograde EXT058	9802070058	1,25 - 1,35	16 - 18				2870	38,2	15,9	8,4
Beograde 10 wood EXT028	1090070028	1,20 - 1,30	3 - 4				3640	47,1	28,6	0,8
Beograde THF040	9802070040	1,25 - 1,35	2 - 3				3520	40,0	20,9	5,0
Beograde 05 wood THF024	0595070024	1,20 - 1,30	3 - 4				1440	22,8	15,7	34,6
Beograde FLM044 O	9802070044	1,25 - 1,35	3 - 4				1260	17,4	14,9	190
Beograde FLM046 T	9802070046	1,15 - 1,25	4,5 - 5,5				1200	22,1	20,4	298
Beocycle PE EXT230 Ocean UV	9802100230	0,90 - 1,00	0,6 - 0,9				925	21,2	8,4	110
Beocycle PE EXT232 Agri UV	9802100232	0,90 - 1,00	0,4 - 0,7				625	20,0	14,5	246
Beocycle PE EXT233 Art. Grass UV	9802100233	0,85 - 0,95	1,8 - 2,3				280	21,1	20,8	698
Beocycle PS EXT118	9806000118	1,00 - 1,10		8 - 10			3450	53,1	53,0	2,5
Beosmart PVC EXT419 UV	9803000419	1,43 - 1,48					3170	50,7	33,9	22,2
Beosmart PVC EXT420 UV	9803000420	1,50 - 1,55					3140	51,6	42,3	19,8
Beosmart ASA COEX551	9807000551	1,00 - 1,10			4 - 6		1820	36,4	28,0	14,8

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.
Coloured in the mass compounds and other modifications are available on request. Other natural fibres are available on request.

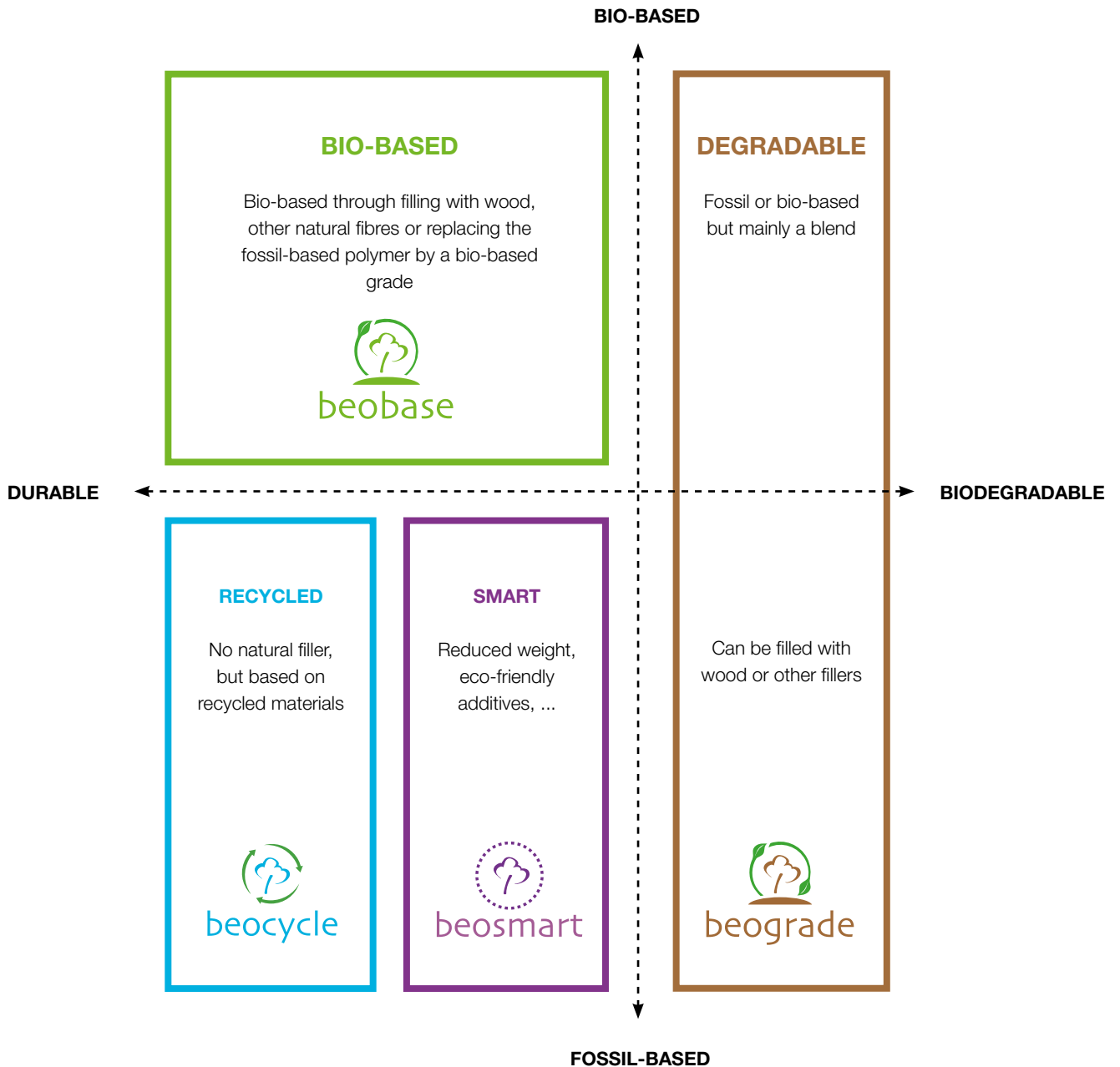
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Flexural modulus	Charpy impact strength notched (1e4)	Charpy impact strength unnotched (1e4)	HDT (B)	Natural fibre content	Renewable content	Recycled content	Biodegradable	Carbon footprint *	Main properties	Applications
MPa	kJ/m²	kJ/m²	°C	%	-	%	-	kg CO ₂ eq/kg	-	-
ISO 178	ISO 179-1	ISO 179-1	ISO 75-1	-	-	-	EN13432	PAS2050		
5769	1,9	9,7	80,7	√25	★			1,225	Visual wood fibre, Limited water absorption	Decking, Cladding, Fencing, Construction, Indoor, Outdoor, Pipes
5544	1,8	4,8	80,4	√50	★★			1,149	Visual wood fibre, High stiffness	Decking, Cladding, Fencing, Construction, Indoor, Outdoor
4434	2,2	4,0	82,2	√50	★★	>50		0,462	Visual wood fibre, Post-consumer recycled content	Decking, Cladding, Fencing, Construction, Indoor, Outdoor
4496	1,9	7,4	79,9	√50	★★			1,218	Visual fibre, White aspect	Decking, Cladding, Fencing, Construction, Indoor, Outdoor
3932	1,6	3,6	80,7	√50	★★			1,190	Visual wood fibre, More stretch for thin layers	Technical profiles, Window profiles, Co-extrusion, Outdoor
3329	2,9	15,6	93,7	√20	★			0,817	Visual wood fibre, High UV resistance	Decking, Cladding, Technical profiles, Window profiles, Gardening, Co-extrusion, Outdoor, Marine
3921	2,5	3,4	125	√70	★★★			0,820	Visual wood fibre, Lower density	Decking, Cladding, Fencing, Construction
2922	2,7	4,2	121	√70	★★★★			0,245	Visual wood fibre, Bio-based content	Decking, Cladding, Fencing, Construction
2992	2,4	10,3	134	√40	★★			1,221	Visual wood fibre, High impact	Technical profiles, Gardening, Fencing, Indoor, Outdoor
222	32,8	NA	42,7	√25	★			1,720	Visual wood fibre, Extreme flexibility, Shore A 94	Technical profiles, Window profiles, Sealing, Co-extrusion, Cables
2788	6,6	NA	57,5		★★★		✓	3,791	Biodegradable, Medium stiffness	Technical profiles, Co-extrusion, Outdoor, Pipes, Food applications
1808	14,2	NA	57,2		★★		✓	4,789	Biodegradable, Medium impact	Technical profiles, Co-extrusion, Indoor, Outdoor, Foam, Food applications
1557	71,8	NA	52,2		★★		✓	5,091	Biodegradable, Medium flexibility	Technical profiles, Co-extrusion, Outdoor, Foam, Cables, Food applications
2580	5,5	NA	53,3		★★★		✓	4,052	Biodegradable, High flow	Technical profiles, Co-extrusion, Indoor, Food applications
3473	5,1	NA	57,0	√10	★★★		✓	3,774	Biodegradable, Visual wood fibre	Technical profiles, Co-extrusion, Outdoor, Food applications
3092	9,9	NA	57,8		★★★		✓	3,514	Biodegradable, High stiffness	Film, Thermoforming, Indoor, Outdoor, Food applications
1212	31,2	NA	56,6	√5	★★		✓	5,668	Biodegradable, Visual wood fibre	Film, Thermoforming, Indoor, Outdoor, Food applications
957	78,3	NA	57,0		★		✓	5,630	Biodegradable, Opaque	Film, Indoor, Outdoor, Mulch, Food applications
998	84,4	NA	58,1		★		✓	6,285	Biodegradable, Transparent	Film, Indoor, Outdoor, Mulch, Food applications
767	24,0	NA	54,1			>98		0,185	Post-consumer recycled content, UV stabilized	Outdoor, Foam, Marine, Filament
678	22,2	NA	59,8			>98		0,835	Post-consumer recycled content, UV stabilized	Film, Outdoor, Foam, Marine, Mulch
335	87,5	NA	44,9			>98		0,756	Post-industrial recycled content, UV stabilized	Outdoor, Pipes, Cables, Filament
3359	1,4	30,0	90,3			>98		0,730	Post-consumer recycled content, General purpose PS	Technical profiles, Indoor, Foam
3098	5,5	NA	74,6					2,230	UV stabilized	Technical profiles, Window profiles, Fencing, Outdoor
2983	3,4	39,9	82,7					2,230	UV stabilized, High temperature resistance	Technical profiles, Window profiles, Fencing, Outdoor, High temperature resistance
1831	20,0	NA	101					0,950	Co-extrusion, High UV resistance	Technical profiles, Window profiles, Fencing, Co-extrusion, Outdoor

*Our PCF's are calculated Cradle-to-gate (excl. biogenic CO2 removal) in accordance with PAS 2050 and the GHG product standard. Where possible supplier specific data is used, otherwise figures are taken from reliable databases. For more info, please contact info@neurologic.com



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