



Nature offers us surprising possibilities  
We produce sustainable injection  
moulding compounds



|                                | Article number | Relative density | MFR (2,16kg / 190°C) | MFR (5kg / 200°C) | MFR (2,16kg / 230°C) | MFR (10kg / 220°C) | Tensile modulus | Tensile strength | Elongation at break | Flexural modulus | Charpy impact strength notched | Charpy impact strength unnotched | Vicat softening point | Vicat softening point | HDT      | Natural fibre content | Renewable content | Recycled content | Biodegradability | Carbon footprint         | Main properties                                           | Applications                                                                         |
|--------------------------------|----------------|------------------|----------------------|-------------------|----------------------|--------------------|-----------------|------------------|---------------------|------------------|--------------------------------|----------------------------------|-----------------------|-----------------------|----------|-----------------------|-------------------|------------------|------------------|--------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------|
| UNIT                           |                | g/cm³            | g/10 min             | g/10 min          | g/10 min             | g/10 min           | MPa             | MPa              | %                   | MPa              | kJ/m²                          | kJ/m²                            | °C                    | °C                    | °C       | %                     | -                 | %                | -                | kg CO <sub>2</sub> eq/kg | -                                                         | -                                                                                    |
| STANDARD                       |                | ISO 1183-1       | ISO 1133-1           | ISO 1133-1        | ISO 1133-1           | ISO 1133-1         | ISO 527         | ISO 527          | ISO 527             | ISO 178          | ISO 179/1eA                    | ISO 179/1eU                      | ISO 306 A120          | ISO 306 B120          | ISO 75 B | -                     | -                 | -                | -                | PAS2050                  |                                                           |                                                                                      |
| Beobase 25 PP INJ074           | 2575050074     | 0,95-1,05        |                      |                   | 21,6                 |                    | 2950            | 32,0             | 3,12                | 2575             | 2,85                           | 14,30                            |                       | 111,10                | 145,30   | 25**                  | ★                 |                  |                  | 1,376                    | Visual wood fibre, high stiffness                         | General purpose, industrial and consumer goods, furniture, household, food packaging |
| Beobase 25 rPP INJ122          | 2575050122     | 0,93-1,03        |                      |                   | 26,5                 |                    | 2590            | 38,9             | 4,79                | 2515             | 2,31                           | 13,00                            |                       | 108,20                | 121,90   | 25**                  | ★                 | > 70             |                  | 0,602                    | Visual wood fibre, high stiffness, recycled PP            | General purpose, industrial goods, furniture, household and non-food packaging       |
| Beobase 25 PP rice INJ097      | 2575050097     | 0,94-1,04        |                      |                   | 27,2                 |                    | 2360            | 28,1             | 3,87                | 2304             | 2,44                           | 15,20                            |                       | 103,95                | 142,05   | 25                    | ★                 |                  |                  | 1,376                    | Visual natural fibre, high stiffness                      | General purpose, furniture, household and consumer goods                             |
| Beobase 10 PP cotton INJ044    | 1090050044     | 0,88-0,98        |                      |                   | 17,8                 |                    | 1790            | 30,4             | 9,53                | 1793             | 4,87                           | 44,80                            |                       | 95,20                 | 115,80   | 10                    |                   |                  |                  | 1,625                    | Visual recycled textiles, good impact - stiffness balance | Industrial and consumer goods, furniture, non-food markets                           |
| Beobase 25 PP cork INJ118      | 2575050118     | 0,91-1,01        |                      |                   | 4,1                  |                    | 1200            | 19,8             | 3,84                | 1229             | 2,75                           | 14,80                            |                       | 84,20                 | 89,85    | 25                    | ★                 |                  |                  | 1,376                    | Visual natural fibre, rough surface finish                | General purpose, furniture, household and consumer goods                             |
| Beobase 25 PP bamboo INJ092    | 2575050092     | 0,94-1,04        |                      |                   | 25,4                 |                    | 3350            | 34,8             | 3,93                | 3384             | 4,47                           | 15,40                            |                       | 105,00                | 144,20   | 25                    | ★                 |                  |                  | 1,376                    | Visual natural fibre, high stiffness and good impact      | General purpose, industrial goods, furniture, household and non-food packaging       |
| Beobase 25 PP cellulose INJ112 | 2575050112     | 0,96-1,06        |                      |                   | 6,8                  |                    | 2800            | 37,1             | 8,91                | 2667             | 3,69                           | 36,80                            |                       | 114,85                | 139,60   | 25                    | ★                 |                  |                  | 1,394                    | Non visual natural fibre, good impact - stiffness balance | General purpose, industrial goods, furniture, household and non-food packaging       |
| Beobase 25 PP flax INJ120      | 2575050120     | 0,92-1,02        |                      |                   | 16,6                 |                    | 2640            | 29,7             | 2,07                | 2690             | 2,45                           | 11,30                            |                       | 107,60                | 142,05   | 25                    | ★                 |                  |                  | 1,376                    | Visual natural fibre, high stiffness                      | General purpose, industrial goods, furniture, household and non-food packaging       |
| Beobase 25 PP olive pit INJ121 | 2575050121     | 0,94-1,04        |                      |                   | 36,5                 |                    | 1980            | 26,8             | 4,19                | 1866             | 2,47                           | 17,60                            |                       | 94,40                 | 114,70   | 25                    | ★                 |                  |                  | 1,376                    | Visual natural fibre, high stiffness                      | General purpose, industrial goods, furniture, household and non-food packaging       |
| Beobase 25 PS INJ025           | 2575060025     | 0,99-1,09        |                      | 6,6               |                      |                    | 3820            | 25,1             | 2,14                | 4200             | 2,92                           | 7,61                             |                       | 83,95                 | 80,50    | 25**                  | ★                 |                  |                  | 1,843                    | Visual wood fibre, high stiffness                         | General purpose, industrial goods, furniture, household and non-food packaging       |
| Beobase 25 ABS INJ021          | 2575070021     | 1,04-1,14        |                      |                   |                      | 3,3                | 3600            | 40,0             | 1,81                | 3375             | 3,68                           | 15,60                            |                       | 89,70                 | 90,50    | 25**                  | ★                 |                  |                  | 2,467                    | Visual natural fibre, high stiffness, good impact         | General purpose, industrial goods, furniture, household and non-food packaging       |
| Beobase 25 PE INJ025           | 2575020025     | 0,95-1,05        | 9,1                  |                   | 24,0                 |                    | 576             | 13,6             | 13,30               | 576              | 10,70                          | 33,70                            | 86,05                 |                       | 59,00    | 25**                  | ★                 |                  |                  | 1,623                    | Visual wood fibre, flexible LDPE                          | General purpose, industrial and consumer goods, furniture, household, food packaging |
| Beobase 25 PE INJ026           | 2575020026     | 0,98-1,08        | 5,7                  |                   | 14,7                 |                    | 2130            | 24,8             | 3,77                | 2055             | 3,10                           | 10,50                            | 123,95                |                       | 98,40    | 25**                  | ★                 |                  |                  | 1,623                    | Visual wood fibre, high stiffness HDPE                    | General purpose, industrial and consumer goods, furniture, household, food packaging |
| Beobase PE INJ223              | 9802100223     | 0,96-1,06        |                      |                   | 33,3                 |                    | 1380            | 23,1             | 28,60               | 1328             | 2,33                           | 68,60                            |                       | 68,70                 | 68,45    | 0                     | ★★★★              |                  |                  | 1,943                    | 100% Biobased, PP properties                              | General purpose, industrial and consumer goods, furniture, household, food packaging |
| Beobase 20 ASA INJ047          | 2080070047     | 1,08-1,18        |                      |                   |                      | 10,5               | 4370            | 50,9             | 2,23                | 3657             | 2,99                           | 14,20                            |                       | 96,10                 | 95,80    | 20**                  |                   |                  |                  | 0,802                    | Visual wood fibre, UV resistant, high stiffness           | General purpose, Industrial goods, furniture, household and non-food packaging       |
| Beograde INJ033                | 9802070033     | 1,20-1,30        | 38,0                 |                   |                      |                    | 2310            | 39,7             | 15,00               | 2063             | 7,60                           | NA                               | 61,10                 |                       | 57,50    | 0                     | ★★                |                  | ✓                | 6,584*                   | Biodegradable, good impact - stiffness balance            | General purpose, industrial and consumer goods, furniture, household, food packaging |
| Beograde INJ038                | 9802070038     | 1,18-1,28        | 17,0                 |                   |                      |                    | 1610            | 28,0             | 26,00               | 1350             | 12,00                          | NA                               | 62,90                 |                       | 57,70    | 0                     | ★★★               |                  | ✓                | 6,830*                   | Biodegradable, high impact                                | General purpose, industrial and consumer goods, furniture, household, food packaging |
| Beograde INJ039                | 9802070039     | 1,32-1,42        | 19,0                 |                   |                      |                    | 3390            | 40,0             | 3,50                | 3040             | 5,30                           | NA                               | 61,00                 |                       | 57,40    | 0                     | ★★★               |                  | ✓                | 5,308*                   | Biodegradable, high stiffness                             | General purpose, industrial and consumer goods, furniture, household, food packaging |
| Beograde 10 INJ027             | 1090070027     | 1,19-1,29        | 16,3                 |                   |                      |                    | 2580            | 34,0             | 5,20                | 2300             | 5,00                           | 29,10                            | 64,25                 |                       | 57,00    | 10**                  | ★★★               |                  | ✓                | 5,939*                   | Biodegradable, visual wood fibre, high stiffness          | General purpose, industrial and consumer goods, furniture, household, food packaging |
| Beograde 20 INJ044             | 2080070044     | 1,21-1,31        | 8,7                  |                   |                      |                    | 3290            | 35,0             | 3,00                | 3010             | 5,30                           | 20,20                            | 100,00                |                       | 57,30    | 20**                  | ★★★               |                  | ✓                | 5,293*                   | Biodegradable, visual wood fibre, high stiffness          | General purpose, industrial and consumer goods, furniture, household, food packaging |
| Beocycle TPE 546               | 9807000546     | 0,88-0,98        | 5,0                  |                   |                      |                    | 104             | 8,3              | 144,00              | 93               | NA                             | NA                               |                       | NA                    | 40,70    | 0                     |                   | 100              |                  | 0,730                    | Flexible, 100% recycled                                   | General purpose, industrial goods, furniture, household and non-food packaging       |
| Beocycle PE INJ222 UV OceanIX  | 9802100222     | 0,85-0,95        | 2,0                  |                   |                      |                    | 552             | 19,0             | 541,00              | 628              | 15,00                          | NA                               | 120,10                |                       | 56,20    | 0                     |                   | 50               |                  | 1,464                    | OceanIX, UV stabilised                                    | General purpose, industrial goods, furniture, household and non-food packaging       |
| Beosmart ASA INJ550            | 9807000550     | 1,01-1,11        |                      |                   |                      | 13,0               | 2140            | 49,1             | 5,26                | 2246             | 15,10                          | NA                               |                       | 94,00                 | 93,00    | 0                     |                   |                  |                  | 0,993                    | UV resistant, moderate stiffness, good impact             | General purpose, industrial goods, furniture, household and non-food packaging       |

You can find out more about us by visiting our website at: [www.beologic.com](http://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.  
This document does not constitute a warranty, express or implied, including a warranty of merchantability or fitness for a particular purpose.  
No one is authorized to make such warranties or assume any liabilities on behalf of Beologic except in writing signed by an authorized Beologic employee.

\* Carbon neutral compound by default.  
\*\* Natural fibre = wood fibre  
Coloured in the mass compounds and other modifications are available on request.  
Other natural fibres on request.





T H E | S D G | G R O U P

[the-sdg-group.com](http://the-sdg-group.com)



A NATURAL IN COMPOUNDS

[info@beologic.com](mailto:info@beologic.com)  
[beologic.com](http://beologic.com)



A NATURAL IN INNOVATION

[info@innologic.be](mailto:info@innologic.be)  
[innologic.be](http://innologic.be)



CARBON FOOTPRINT CONSULTING

[info@neutrologic.com](mailto:info@neutrologic.com)  
[neutrologic.com](http://neutrologic.com)



A NATURAL IN AUTOMATION

[info@techniks.be](mailto:info@techniks.be)  
[techniks.be](http://techniks.be)



A NATURAL IN TOOLING

[info@beotool.com](mailto:info@beotool.com)  
[beotool.com](http://beotool.com)

Jolainstraat 44 - 8554 Sint-Denijs (Belgium) - T. +32 56 73 53 25 - [info@the-sdg-group.com](mailto:info@the-sdg-group.com)