

| Commercial code | Polymer base | Colour      | Hardness                 | Tensile strength [Mpa] | Elongation at break [%] | Density [g/cm <sup>3</sup> ] | Tear resistance [N/mm] | Compression set 22h / 23 °C | Compression set 22h / 70 °C | Compression set 22h / 100 °C | Tensile modulus at 100 % elongation | Tensile modulus at 200 % elongation | Tensile modulus at 300 % elongation | Special properties   | Applications  |
|-----------------|--------------|-------------|--------------------------|------------------------|-------------------------|------------------------------|------------------------|-----------------------------|-----------------------------|------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|---|
|                 |              |             |                          | ISO 37                 | ISO 37                  |                              |                        | ISO 815-1 A                 | ISO 815-1 A                 | ISO 815-1 A                  | [MPa]                               | [MPa]                               | [MPa]                               |  |   |
| OM 0912         | SEBS         | Translucent | ISO 868 (3s)<br>45 Sh A  | ↔ 6,12                 | ↔ 700                   | ISO 1183-1<br>0,9            | ISO 34-2<br>↓21 ↔ 20   | 55                          | 30                          | n/a                          | n/a                                 | n/a                                 | n/a                                 | <ul style="list-style-type: none"> <li>Adhesion to PP</li> <li>Excellent compression set</li> <li>Sterilizable: Ethylene Oxide, gamma radiation (2 x 35 kGy)</li> </ul>  | <ul style="list-style-type: none"> <li>Medical and pharmaceutical</li> <li>Flexible connections</li> <li>Seals, mouthpieces, soft touch, valves</li> </ul>  |
| OM 1012         | SEBS         | Black       | ISO 868 (3s)<br>90 Sh A  | n/a                    | n/a                     | ISO 1183-1<br>1,9            | n/a                    | n/a                         | n/a                         | n/a                          | n/a                                 | n/a                                 | n/a                                 | <ul style="list-style-type: none"> <li>Sound damping material</li> <li>Low rebound resilience</li> <li>Absorbs mechanical energy</li> <li>High density increases damping property</li> </ul>   |   |
| OM 1112         | SEBS         | Black       | DIN 53505<br>41 Sh A     | 3,6                    | 350                     | ISO 1183-1<br>1,13           | ISO 34-1B<br>12        | 10                          | 21                          | 38                           | n/a                                 | n/a                                 | n/a                                 | <ul style="list-style-type: none"> <li>Adhesion to PP</li> <li>Excellent sealing properties</li> </ul>   | <ul style="list-style-type: none"> <li>Electronics</li> <li>Design</li> <li>Sport</li> <li>Construction</li> <li>Industry</li> </ul>  |
| OM 1512         | SEBS         | Natural     | ISO 868 (3s)<br>35 Sh A  | ↓1,9 ↔ 1,7             | ↓335 ↔ 550              | ISO 1183-1<br>1,56           | ISO 34-2<br>↓18 ↔ 17   | n/a                         | n/a                         | n/a                          | n/a                                 | n/a                                 | n/a                                 | <ul style="list-style-type: none"> <li>Radiation and steam sterilizable</li> </ul>   | <ul style="list-style-type: none"> <li>Medical and Healthcare</li> </ul>  |
| OM 1612         | SEBS         | Translucent | ISO 7619<br>68 Sh A      | 12                     | 800                     | ISO 1183-1<br>0,89           | ISO 34-1B<br>21        | 31                          | 41                          | 60                           | n/a                                 | n/a                                 | n/a                                 | <ul style="list-style-type: none"> <li>Adhesion to PP, DMF listed</li> <li>Excellent mechanical properties</li> <li>Sterilizable: Ethylene Oxide, autoclave 134 °C, gamma radiation (2 x 35 kGy)</li> </ul>  | <ul style="list-style-type: none"> <li>Medical and pharmaceutical</li> <li>Seals</li> <li>Mechanical components</li> <li>Syringe gaskets</li> </ul>   |
| OM 1712         | SEBS         | Natural     | ISO 868 (3s)<br>60 Sh A  | ↓3,1 ↔ 2,7             | ↓305 ↔ 410              | ISO 1183-1<br>1,98           | ISO 34-2<br>↓27        | n/a                         | n/a                         | n/a                          | ↓2,6 ↔ 2,4                          | ↓3,1 ↔ 2,7                          | ↓3,1 ↔ 2,7                          | <ul style="list-style-type: none"> <li>Enhanced damping properties</li> </ul>  | <ul style="list-style-type: none"> <li>Medical</li> </ul>   |
| OM 1912         | SEBS         | Translucent | ISO 868 (3s)<br>50 Sh A  | ↓2,7 ↔ 9,7             | ↓275 ↔ 620              | ISO 1183-1<br>0,9            | ISO 34-2<br>↓23 ↔ 17   | n/a                         | n/a                         | n/a                          | ↓2 ↔ 1,3                            | ↓2,4 ↔ 1,8                          | ↓2,6 ↔ 2,4                          |  | <ul style="list-style-type: none"> <li>Medical and healthcare</li> <li>Food contact</li> </ul>  |
| OM 2012         | SEBS         | Translucent | DIN ISO 27588<br>86 VLRH | 3                      | 700                     | ISO 1183-1<br>0,88           | ISO 34-1B<br>7         | n/a                         | n/a                         | n/a                          | n/a                                 | n/a                                 | n/a                                 | <ul style="list-style-type: none"> <li>Adhesion to PP FDA compliant</li> <li>Dry surface</li> <li>Pleasant surface feel (Soft touch)</li> <li>Easy processing</li> <li>Excellent mechanical properties at low hardness</li> <li>Regulation: (EU) 10/2011, EN 71/3</li> </ul>                       | <ul style="list-style-type: none"> <li>Food contact</li> <li>Baits</li> <li>Cushioning</li> <li>Grip applications</li> <li>Toys</li> <li>Protectors</li> </ul>  |
| OM 2112         | SEBS         | Natural     | ISO 7619<br>21 Sh A      | 3,5                    | 700                     | ISO 1183-1<br>1,1            | ISO 34-1B<br>10        | n/a                         | n/a                         | n/a                          | n/a                                 | n/a                                 | n/a                                 | <ul style="list-style-type: none"> <li>Adhesion to PP</li> <li>Easy coloring (compounds in natural colors)</li> <li>Excellent mechanical properties</li> <li>Halogen-free</li> <li>FDA compliant</li> <li>Pleasant surface feel (Soft touch)</li> <li>Regulation: (EU) 10/2011, EN 71/3</li> </ul> | <ul style="list-style-type: none"> <li>Food contact</li> <li>Design elements</li> <li>Grip applications</li> <li>Toys</li> <li>Household articles</li> <li>Packaging for food and care products</li> <li>Razors</li> <li>Seals</li> <li>Toothbrushes</li> </ul> |
| OM 2212         | SEBS         | Black       | ISO 868 (3s)<br>15 Sh A  | ↓1,5 ↔ 4,0             | ↓750 ↔ 900              | ISO 1183-1<br>1,9            | ISO 34-2<br>↓12 ↔ 16   | n/a                         | 30                          | n/a                          | ↓0,6 ↔ 0,5                          | ↓0,8 ↔ 0,7                          | ↓1,1 ↔ 1,0                          | <ul style="list-style-type: none"> <li>Adhesion to PP</li> </ul>   | <ul style="list-style-type: none"> <li>Universal</li> </ul>   |
| OM 2412         | SEBS         | Black       | ISO 868 (3s)<br>80 Sh A  | ↔ 612                  | ↔ 700                   | ISO 2718<br>0,9              | n/a                    | n/a                         | n/a                         | n/a                          | ↔ 2,7                               | ↔ 3,6                               | n/a                                 | <ul style="list-style-type: none"> <li>Food contact</li> </ul>   | <ul style="list-style-type: none"> <li>Food contact</li> </ul>  |

**Caution**  
All values reported are typical values based on sample laboratory tests and are not a guarantee of performance.  
The responsibility to conduct testing to determine suitability of use for the particular process or end-use application remains with the customer.  
Fire may create small amounts of hydrogen sulfide and carbon dioxide.  
Disposal by incineration in compliance with local regulations.