

|  | Optimum Extra<br>Roflufocon D | Boston XO<br>Hexafocon A | Optimum Comfort<br>Roflufocon C | Boston EO<br>Enflufocon B | Paragon-HDS        | Paragon-Thin<br>Paflufocon C | Optimum Classic<br>Roflufocon A | Boston ES<br>Enflufocon A |
|--|-------------------------------|--------------------------|---------------------------------|---------------------------|--------------------|------------------------------|---------------------------------|---------------------------|
| DK Fatt / ISO (9913-1)                 | 100*/75**                     | 100*/75**                | 65*/49**                        | 58*/44**                  | 53*/40**           | 31*/23**                     | 26*/19.5**                      | 18*/15**                  |
| Manufacturer                           | Contamac                      | Polymer technology       | Contamac                        | Polymer technology        | Paragon            | Paragon                      | Contamac                        | Polymer technology        |
| Wettability angle                      | 3° <sup>3</sup>               | 49° <sup>2</sup>         | 6° <sup>3</sup>                 | 49° <sup>2</sup>          | 14.7° <sup>3</sup> | 12.8° <sup>3</sup>           | 12° <sup>3</sup>                | 52° <sup>2</sup>          |
| Refractive index                       | 1.431                         | 1.415                    | 1.437                           | 1.429                     | 1.449              | 1.437                        | 1.45                            | 1.443                     |
| Hardness <sup>4</sup>                  | 75                            | 79.3                     | 79                              | 83                        | 84                 | 85.3                         | 83                              | 85.4                      |
| Tint                                   | blau / grün                   | blau / violett           | blau / grün                     | blau                      | blau / grün        | blau / grün                  | blau / grün                     | blau / grün               |
| UV                                     | √                             | √                        | √                               | √                         | √                  | √                            | √                               | √                         |
| Durability                             | ++                            | ++                       | +++                             | ++                        | ++                 | +++                          | +++                             | +++                       |
| Resistance to deformation <sup>5</sup> | ++                            | ++                       | ++                              | ++                        | ++                 | ++                           | +++                             | +++                       |
| Long term wearing                      | +++                           | +++                      | ++                              | ++                        | ++                 | +                            | +                               | +                         |
| Tear film with lipid                   | +                             | +                        | ++                              | ++                        | ++                 | ++                           | ++                              | +++                       |
| Tear film with protein                 | +                             | +                        | ++                              | ++                        | +                  | ++                           | ++                              | +++                       |
| Usage as standard material             | +                             | +                        | ++                              | ++                        | ++                 | +++                          | +++                             | +++                       |
| Usage for special thin lens design     | +                             | +                        | ++                              | +                         | +                  | +++                          | +++                             | +++                       |
| Wetability                             | ++                            | ++                       | ++                              | ++                        | ++                 | ++                           | +++                             | +++                       |

\*  $\times 10^{-11}$  (cm<sup>2</sup>/sec) [ml O<sub>2</sub>/(ml  $\times$  mm Hg)]

\*\* $\times 10^{-11}$  (cm<sup>2</sup>/sec) [ml O<sub>2</sub>/(ml  $\times$  hPa)]

<sup>2</sup> Wettability angle = CLMA method

<sup>3</sup> Receding contact angle (DCA)

<sup>4</sup> Shore D

<sup>5</sup> Corneal astigmatism



**Boston**<sup>®</sup>  
**Materials**

Default material: Optimum Classic blue

### Quality assurance

These materials are in conformity with the standard ISO 10993-1 defining the biocompatibility of materials. SwissLens manufacturing process warrants this biocompatibility even after the manufacturing process, in particular without adding polish material. This standard is required by the quality assurance System of SwissLens