

	Optimum Extra Roflufocon D	Boston XO Hexafocon A	Optimum Comfort Roflufocon C	Boston EO Enflufocon B	Paragon HDS	Paragon Thin Paflufocon C	Contapem F2 Focon III 2	Optimum Classic Roflufocon A	Boston ES Enflufocon A	Hydro-Sil GP Onsifacon A
DK Fatt / ISO (9913-1)	100*/75**	100*/75**	65*/49**	58*/44**	53*/40**	31*/23**	28*/21**	26*/19.5**	18*/15**	56*
Manufacturer	Contamac	Polymer technology	Contamac	Polymer technology	Paragon	Paragon	Contamac	Contamac	Polymer technology	Lagado
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>	19° <sup>3</sup>	12° <sup>3</sup>	52° <sup>2</sup>	7.2° <sup>3</sup>
Refractive index	1.431	1.415	1.437	1.429	1.449	1.437	1.46	1.45	1.443	1.452
Hardness <sup>4</sup>	75	79.3	79	83	84	85.3	83	83	85.4	86
Tint	clear blue green	blue / red green violett	blue green	blue	blue green	blue green	clear	blue green	blue iceblue green	blue
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	++	++	++	++	++	++	++	+++	+++	+++

GP-Therapy colours	SLF 460	SLF 535	SLF 580
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\*  $\times 10^{-11}$  (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



Material and Colour availability depends on the contact lens type.

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