

GP Lens Materials

Scotlens are happy to offer a wide range of materials from a range of quality manufacturers. These materials fit all your GP needs including our scleral lenses, ortho-k and corneal lenses.

There are two common perceptions considering GP materials. The higher the Dk the better for oxygen and high Dk materials are very soft and do not wet well. This is no longer true, what is more relevant is surface quality and biocompatibility.

Scotlens's Lathe2i™ freeform manufacturing this will give optimum surface quality and biocompatibility with high Dk materials. Lower Dk material will also perform well but there is no clinical difference in longevity from patient handling. Regular replacement of lenses on an annual basis is not only good clinical practice it will ensure patients get the best performance from their lenses.

Selecting a high Dk material for all lenses is appropriate. Dk is important for over night wear and large diameter designs that cover the entire cornea, hyper Dk materials may be desirable in these cases.

In cases where lipid deposits can cause greasing during the day swapping to a different manufacturers material or lower Dk material may improve biocompatibility. Ensuring daily protein removal with Avizor EverClean can benefit patients with deposition issues.

Materials available are listed below-

DK		MATERIAL	RECOMMENDED APPLICATION
Low	17	Scotlens GP1 (no exchange)	Daily wear for lenses below 9.00 Ø
	18	Boston ES	
	26	Contamac Optimum Classic	
Mid	58	Boston EO	Daily wear for lenses below 10.00 Ø
	65	Contamac Optimum Comfort	
	40	Paragon HDS	
High	100	Boston XO	Ortho-k, daily wear application, extended wear, scleral and corneoscleral All daily wear, extended wear
	100	Acuity 100	
	100	Contamac Optimum Extra	
	100	Paragon HDS 100	
Hyper	200	Acuity 200	Corneal pathology present 6 monthly frequent replacement
	141	Boston XO2	
	125	Contamac Optimum Extreme	
All materials available are listed above. Tints for materials include green, blue, violet, grey, clear.			

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