

TABLE 1 BASIC DK SILICON/ACRYLATE MATERIALS				
PRODUCT	MANUFACTURER	DK	SPECIFIC GRAVITY	COLORS
Boston II	Polymer Technology	14.6	1.14	Blue, Green, Clear
Optacryl 60	Paragon Vision Sciences	12	1.12	Blue
Paraperm 02	Paragon Vision Sciences	15.6	1.12	Blue, Electric Blue, Green, Cool Green, Clear
SA 18	Lagado Corporation	18	1.26 g/cc	Blue, Med Blue, Dk Blue, Gray, Dk Gray, Green, Med Green, Dk Green, Violet, Brown, Clear, Red, Ruby Red
SGP I	The LifeStyle Company	18.5	1.12	Blue, Green, Gray, Brown, Clear

TABLE 2 HIGH DK SILICON/ACRYLATE MATERIALS				
PRODUCT	MANUFACTURER	DK	SPECIFIC GRAVITY	COLORS
Boston IV	Polymer Technology	26	1.10	Blue, Clear
Paraperm EW†	Paragon Vision Sciences	56	1.07	Blue, Green, Clear
SA 32	Lagado Corporation	32	1.101	Blue, Med Blue, Dk Blue, Gray, Dk Gray, Green, Med Green, Dk Green, Violet, Brown, Clear
SGP II	The LifeStyle Company	43.5	1.07	Blue, Green, Gray, Brown, Clear

TABLE 3 MID-RANGE DK FLUORO SILICON/ACRYLATE MATERIALS				
PRODUCT	MANUFACTURER	DK	SPECIFIC GRAVITY	COLORS
Boston ES	Polymer Technology	31	1.22	Blue, Ice Blue, Brown, Gray, Green
Flosi	Lagado Corporation	26	1.27	Blue, Dk Blue, Brown, Clear, Green, Dk Green, Gray, Violet, Extra Dk Blue, Extra Gray, Extra Forest Green, Yellow
Fluorex 300	GT Labs	26.5	1.105	Blue, Green, Gray, Rosebrown, Aqua, Clear
Fluorex 500	GT Labs	49.8	1.10	Blue, Green, Gray, Rosebrown, Aqua, Clear
FluoroPerm 30	Paragon Vision Sciences	30	1.14	Blue, Green, Gray, Clear, Majestic Blue
Hybrid FS	Contamac US, Inc.	23	1.183	Blue, Green, Grey, Clear
Hydro 2	InnoVision	50	1.146	Soft Blue, Ocean Blue, Soft Green
ONSI-56	Lagado Corporation	56	1.206	Blue, Gray, Green, Onzure
OP-3	Stellar	30	1.115	Blue, Dk Blue, Green, Dk Green, Gray, Clear, Brown
Optimum Classic	Contamac US, Inc.	26	1.19	Blue, Glacier Blue, Clear, Green, Grey
Paragon Thin	Paragon Vision Sciences	29	1.145	Sapphire Blue, Emerald Green
SGP 3	The LifeStyle Company	43.5	1.126	Blue, Green, Clear

Table 1 Basic Dk Silicon/Acrylate Materials

These are typically very stable lens materials used for fitting high corneal astigmats with a spherical lens design, converting a long term PMMA wearer to oxygen permeable lenses, or when a thin lens design is needed.

Table 2 High Dk Silicon/Acrylate Materials

A wide range of patients can be fit with these types of lenses. They are excellent for hyperopes, special lens designs such as back torics, bi-torics, and especially front torics when prism is necessary, and to help increase wearing time for patients requiring greater oxygen transmission.

Table 3 Mid-Range Dk Fluoro Silicon/Acrylate Materials

The lower silicon concentration and higher amount of fluorine in these lenses help provide good stability and wettability without excessive weight. Thinner centers can be manufactured and will hold back the same basic amounts of corneal cylinder as lower Dk silicon/acrylate lenses.

Table 4 High Dk Fluoro Silicon/Acrylate Materials

These materials offer a greater percentage of oxygen to the cornea without some of the wettability problems associated with high Dk silicon/acrylate materials. Many patients fit with these materials report increased comfort and wettability over high Dk silicon/acrylate materials.

Table 5 Hyper Dk Fluoro Silicon/Acrylate Materials

These materials provide the greatest percentage of oxygen transfer available to GP lens fitting practitioners. They are ideal for patients requiring the highest possible oxygen permeability to the cornea.

TABLE 4 HIGH DK FLUORO SILICON/ACRYLATE MATERIALS				
PRODUCT	MANUFACTURER	DK	SPECIFIC GRAVITY	COLORS
Boston Equalens [‡]	Polymer Technology	71	1.19	Blue, Clear
Boston Equalens II [†]	Polymer Technology	125	1.24	Blue, Green, Clear, Red, Yellow
Boston EO	Polymer Technology	82	1.23	Blue, Ice Blue, Brown, Gray, Green, Electric Blue
Boston XO	Polymer Technology	100*	1.27	Blue, Green, Violet, Ice Blue
Fluorex 700	GT Labs	70	1.10	Blue, Green, Gray, Rosebrown, Aqua, Clear
FluoroPerm 151 [†]	Paragon Vision Sciences	151	1.10	Blue
FluoroPerm 60 [†]	Paragon Vision Sciences	60	1.15	Blue, Green, Crystal Blue, Brown, Clear
FluoroPerm 92 [†]	Paragon Vision Sciences	92	1.10	Blue, Green, Clear
Optimum Comfort	Contamac US, Inc.	65	1.18	Blue, Glacier Blue, Green, Grey, Forest Green, Brown
Optimum Extra	Contamac US, Inc.	100	1.17	Blue, Clear, Glacier Blue, Grey, Green
Optimum Extreme	Contamac US, Inc.	125	1.16	Blue, Green
Paragon HDS [†]	Paragon Vision Sciences	58	1.16	Sapphire Blue, Crystal Blue, Emerald Green, Forest Green,
Paragon HDS 100 [†]	Paragon Vision Sciences	100*	1.10	Sapphire Blue, Emerald Green
Alberta S	Progressive Optical Research	66	1.122	Blue

TABLE 5 HYPER DK FLUORO SILICON/ACRYLATE MATERIALS				
PRODUCT	MANUFACTURER	DK	SPECIFIC GRAVITY	COLORS
Boston XO ₂	Polymer Technology	141*	1.19	Blue, Ice Blue, Violet, Green, Red, Yellow

*Quoted Dk values are measured using Gas to Gas method unless *, which indicates ISO/Fatt method.*

†FDA approved for extended wear.

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