

HPFS[®] Data and Properties

	ISO 10110-1 Inclusion Class	Homogeneity Grade [ppm]	Birefringence <small>Lower specifications available upon request</small> [nm/cm]	ISO 10110-4 Striae Class	Metallic Impurities [ppb]
7979 IR Grade	0, 1, 2	AA, A, C, F	≤ 5	5	< 100
7979 Industrial Grade	NS	NS	≤ 5	NS	NS
7980 Standard Grade**	0 - 5	AA - F	≤ 5	5	< 1000
7980 KrF Grade*	0, 1, 2	AA, A, C, F	≤ 1	5	< 500
7980 ArF Grade*	0, 1, 2	AA, A, C, F	≤ 1	5	< 100
7980 Mirror Grade	See catalog	NS	≤ 5	NS	NS
7980 Industrial Grade	NS	NS	≤ 5	NS	NS
8652 ArF Grade*	0, 1, 2	AA, A, C, F	≤ 1	5	< 10
8655 ArF Grade*	0, 1, 2	AA, A, C, F	≤ 1	5	< 10

* No visible fluorescence when exposed to deuterium source from 215 nm - 400 nm. Material contains hydrogen to minimize absorption under UV exposures.

** HPFS 7980 Standard Fluorescence-Free Grade available upon request.