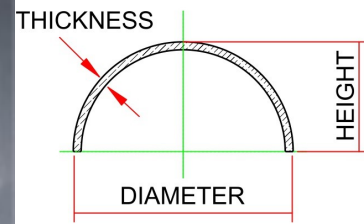
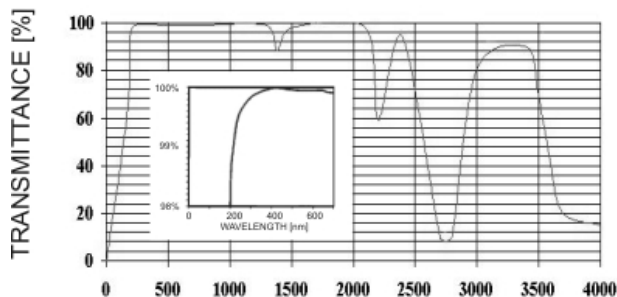


We offer a range of high quality glass domes. The used material HPFS (fused silica) for our quartz domes is a high purity synthetic amorphous silicon dioxide and allows a large field of application from the deep UV up to the far IR. The used material N-BK7/H-K9L is adequate for VIS to IR range. Quartz domes with 25mm and 36mm in diameter and domes with 36mm and 98.3mm diameter which are sealed on flanges are available on stock.



Order Nb.	Name	Diameter	Height	Thickness	Material	Production
101437	J1014-DOM25	25,0	12,5	0,9	HPFS	Polished
101463	J1014-DOM25	25,0	11,5	1,0	BK7	Polished
101412	J1014-DOM36	36,0	18,0	1,7	HPFS	Polished
101438	J1014-DOM50	50,0	25,0	2,0	HPFS	Polished
101464	J1014-DOM50	50,0	24,0	2,0	BK7	Polished
101456	J1014-DOM983	98,2 ±0,2	39,1 ±0,2	6,0 ±0,5	BK7	Polished, AR, AC
101413	J1014-DOM36-HR1	J1014-DOM36 sealed in a stainless steel flange. D=42				
101414	J1014-DOM36-HR2	J1014-DOM36 sealed in a stainless steel flange. D=58				
101459	J1014-DOM983-HR	J1014-DOM983 sealed in anodised aluminium flange. D=120				
		Dimension in [mm], otherwise stated. Tolerance: ± 0,1 otherwise stated HPFS fused silica standard grade / CORNING 7980 5F N-BK7 / H-K9L AR: Anti Reflective Coating; AS: Scratch resistant coating				

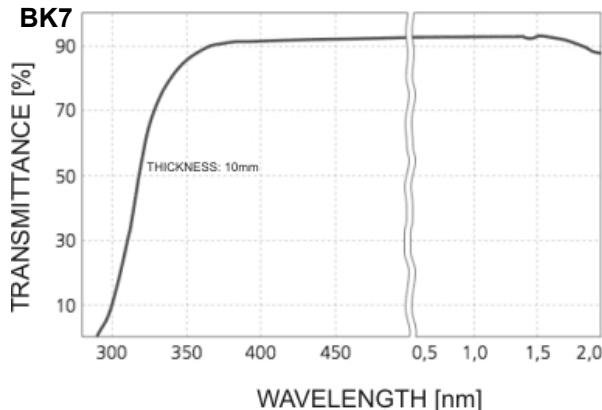
## HPFS



### Specification HPFS fused silica:

Softening point: 1585°C  
 Annealing point: 1042°C  
 Density: 2.2 g/cm<sup>3</sup>  
 Refractive index: 1.44887 @ 1128.64 nm  
 1.47455 @ 365.01 nm  
 1.50860 @ 248.00 nm

## BK7



### Specification N-BK7/H-K9L borosilicate:

N-BK7 is the RoSH compliance material of BK7.  
 H-K9L is the Chinese made equivalent material of N-BK7.  
 Transm. Range: 330 nm - ~2100nm  
 Softening point: 719°C  
 Annealing point: 550°C  
 Density: 2.51 g/cm<sup>3</sup>  
 Refractive index: 1.5168 @ 587.6 nm