

Glass designation :	7056 GLASS	Code 7056
Color :	White	
Glass type :	Hard Crown	
Application :	Optical and electronic applications	

<u>PHYSICAL PROPERTIES</u>			
Density :		2.29	g/cm ³
Linear Exp. Coef. :		See fig 1	/ °C
Viscosity :	Soft. Pt	718	°C
	Ann. Pt	See fig 1	°C
	Strain Pt	472	°C
<u>REFRACTIVE INDEX</u>			
Line		λ (nm)	Value
F'	Cadmium	480.0	1.49300
F	Hydrogen	486.1	1.49200
e	Mercury	546.1	1.48900
d	Helium	587.6	1.48640
C'	Cadmium	643.8	1.48550
C	Hydrogen	656.3	1.48500
Abbe Number	ve		65.4
	vd		65.5

<u>TRANSMISSION PROPERTIES</u>	
VISIBLE	380 - 780 nm
Luminous transmission factor	91%
<i>10 mm thickness</i>	
Colour - Minimum R Value (T400/T650) :	0.90
<i>Sample 5.5mm thickness</i>	
Light absorption or Beta value : Max 1.5%/cm	
Beta value = $((1 - r)^2 - T) / ((1 - r)^2 * t)$	
r : $((nd - 1) / (nd + 1))^2$	
t : length of sample in cm	
T : average transmission at 450, 507.7, 529.8, 543.7, 550, 555.4, 566.3, 576.9, 587.9, 600.1, 615.2, 639.7, 650nm	

<u>COATING & TEMPERING</u>		
(See also notes below)	Vacuum coating	YES
	Chemical tempering	N/A
	Air tempering	N/A

CHEMICAL DURABILITY (class)	To water	NF ISO 719	N/A
	To acid	DIN 12-116	N/A
	To alkalis	ISO 695	N/A

