

# Materials in path of electron in NGC Cerenkov

Item	Material	Z	Atomic mass	density (g/cm^3)	RL (g/cm^2)	RL (cm)	Thickness(in)	Thickness (cm)	# RL	Source
Entrance Window^*	Tedlar ((CH2CHCl)n)	Z/A =	0.51201	1.3	25.51	19.63	0.002	0.00508	0.000259	PDG
Gas	Ar	18	39.948	1.66E-03	19.55	1.17E+04		200	0.017036	PDG
	Ne	10	20.18	8.39E-04	28.93	3.45E+04		200	0.005797	PDG
Glass	SiO2			2.2	27.05	12.29		0.3	0.024410	PDG
Exit Window	Tedlar ((CH2CHCl)n)	Z/A =	0.51201	1.3	25.51	19.63	0.002	0.00508	0.000259	PDG
*See <a href="http://pdg.lbl.gov/2014/AtomicNuclearProperties/HTML/polyvinylchloride_PVC.html">http://pdg.lbl.gov/2014/AtomicNuclearProperties/HTML/polyvinylchloride_PVC.html</a>							Total RL (with argon)		0.042	
							Percent from mirror		58.2	