

**Table 275: Muons in Viton fluoroelastomer (C<sub>5</sub>H<sub>2</sub>F<sub>8</sub>)<sub>n</sub>**

$\langle Z/A \rangle$	$\rho$ [g/cm <sup>3</sup> ]	$I$ [eV]	$a$	$k = m_s$	$x_0$	$x_1$	$\bar{C}$	$\delta_0$
0.48585	1.800	98.6	0.09965	3.4556	0.2106	2.7874	3.5943	0.00
$T$	$p$ [MeV/c]	Ionization	Brems	Pair prod [MeV cm <sup>2</sup> /g]	Photonucl	Total	CSDA range [g/cm <sup>2</sup> ]	
10.0 MeV	$4.704 \times 10^1$	6.725				6.725	$8.240 \times 10^{-1}$	
14.0 MeV	$5.616 \times 10^1$	5.253				5.253	$1.504 \times 10^0$	
20.0 MeV	$6.802 \times 10^1$	4.108				4.108	$2.811 \times 10^0$	
30.0 MeV	$8.509 \times 10^1$	3.191				3.191	$5.611 \times 10^0$	
40.0 MeV	$1.003 \times 10^2$	2.727				2.727	$9.023 \times 10^0$	
80.0 MeV	$1.527 \times 10^2$	2.052				2.052	$2.647 \times 10^1$	
100. MeV	$1.764 \times 10^2$	1.930				1.930	$3.654 \times 10^1$	
140. MeV	$2.218 \times 10^2$	1.800				1.800	$5.810 \times 10^1$	
200. MeV	$2.868 \times 10^2$	1.727				1.727	$9.226 \times 10^1$	
300. MeV	$3.917 \times 10^2$	1.701			0.000	1.701	$1.508 \times 10^2$	
308. MeV	$4.000 \times 10^2$	1.701			0.000	1.701	<i>Minimum ionization</i>	
400. MeV	$4.945 \times 10^2$	1.708			0.000	1.709	$2.095 \times 10^2$	
800. MeV	$8.995 \times 10^2$	1.778	0.000		0.000	1.778	$4.390 \times 10^2$	
1.00 GeV	$1.101 \times 10^3$	1.809	0.000		0.000	1.809	$5.504 \times 10^2$	
1.40 GeV	$1.502 \times 10^3$	1.859	0.000	0.000	0.001	1.860	$7.683 \times 10^2$	
2.00 GeV	$2.103 \times 10^3$	1.914	0.001	0.000	0.001	1.915	$1.086 \times 10^3$	
3.00 GeV	$3.104 \times 10^3$	1.976	0.001	0.001	0.001	1.979	$1.599 \times 10^3$	
4.00 GeV	$4.104 \times 10^3$	2.019	0.002	0.001	0.002	2.024	$2.098 \times 10^3$	
8.00 GeV	$8.105 \times 10^3$	2.118	0.004	0.004	0.004	2.129	$4.019 \times 10^3$	
10.0 GeV	$1.011 \times 10^4$	2.148	0.005	0.005	0.005	2.162	$4.951 \times 10^3$	
14.0 GeV	$1.411 \times 10^4$	2.191	0.008	0.008	0.006	2.213	$6.779 \times 10^3$	
20.0 GeV	$2.011 \times 10^4$	2.234	0.012	0.014	0.009	2.269	$9.454 \times 10^3$	
30.0 GeV	$3.011 \times 10^4$	2.281	0.019	0.024	0.013	2.338	$1.379 \times 10^4$	
40.0 GeV	$4.011 \times 10^4$	2.313	0.027	0.035	0.017	2.393	$1.802 \times 10^4$	
80.0 GeV	$8.011 \times 10^4$	2.387	0.062	0.084	0.034	2.567	$3.413 \times 10^4$	
100. GeV	$1.001 \times 10^5$	2.410	0.081	0.111	0.042	2.643	$4.181 \times 10^4$	
140. GeV	$1.401 \times 10^5$	2.444	0.119	0.166	0.058	2.787	$5.654 \times 10^4$	
200. GeV	$2.001 \times 10^5$	2.479	0.179	0.254	0.082	2.995	$7.730 \times 10^4$	
300. GeV	$3.001 \times 10^5$	2.520	0.282	0.403	0.123	3.329	$1.090 \times 10^5$	
400. GeV	$4.001 \times 10^5$	2.548	0.390	0.559	0.164	3.661	$1.376 \times 10^5$	
800. GeV	$8.001 \times 10^5$	2.618	0.835	1.204	0.332	4.989	$2.308 \times 10^5$	
879. GeV	$8.795 \times 10^5$	2.627	0.925	1.336	0.366	5.255	<i>Muon critical energy</i>	
1.00 TeV	$1.000 \times 10^6$	2.640	1.065	1.538	0.417	5.661	$2.684 \times 10^5$	
1.40 TeV	$1.400 \times 10^6$	2.675	1.527	2.201	0.592	6.995	$3.319 \times 10^5$	
2.00 TeV	$2.000 \times 10^6$	2.712	2.238	3.217	0.857	9.024	$4.072 \times 10^5$	
3.00 TeV	$3.000 \times 10^6$	2.754	3.428	4.908	1.313	12.403	$5.014 \times 10^5$	
4.00 TeV	$4.000 \times 10^6$	2.785	4.638	6.621	1.776	15.821	$5.726 \times 10^5$	
8.00 TeV	$8.000 \times 10^6$	2.860	9.535	13.522	3.705	29.622	$7.545 \times 10^5$	
10.0 TeV	$1.000 \times 10^7$	2.885	12.010	16.996	4.698	36.589	$8.151 \times 10^5$	
14.0 TeV	$1.400 \times 10^7$	2.923	16.947	23.920	6.744	50.534	$9.078 \times 10^5$	
20.0 TeV	$2.000 \times 10^7$	2.964	24.412	34.362	9.885	71.623	$1.007 \times 10^6$	
30.0 TeV	$3.000 \times 10^7$	3.011	36.841	51.738	15.336	106.925	$1.121 \times 10^6$	
40.0 TeV	$4.000 \times 10^7$	3.045	49.332	69.168	20.928	142.473	$1.201 \times 10^6$	
80.0 TeV	$8.000 \times 10^7$	3.128	99.412	138.949	44.382	285.871	$1.396 \times 10^6$	
100. TeV	$1.000 \times 10^8$	3.156	124.515	173.880	56.533	358.084	$1.458 \times 10^6$	