

Muons in bakelite $[(C_{43}H_{38}O_7)_n]$

	$\langle Z/A \rangle$	ρ [g/cm ³]	I [eV]	a	$k = m_s$	x_0	x_1	\bar{C}	δ_0
	0.52792	1.250	72.4	0.12713	3.3470	0.1471	2.6055	3.2582	0.00
T	p [MeV/c]	Ionization	Brems	Pair prod	Photonucl	Total	CSDA range [g/cm ²]		
				[MeV cm ² /g]					
10.0 MeV	4.704×10^1	7.609				7.610		7.260×10^{-1}	
14.0 MeV	5.616×10^1	5.935				5.935		1.328×10^0	
20.0 MeV	6.802×10^1	4.634				4.634		2.485×10^0	
30.0 MeV	8.509×10^1	3.595				3.595		4.969×10^0	
40.0 MeV	1.003×10^2	3.069				3.069		8.000×10^0	
80.0 MeV	1.527×10^2	2.302				2.302		2.352×10^1	
100. MeV	1.764×10^2	2.156				2.156		3.252×10^1	
140. MeV	2.218×10^2	2.008				2.008		5.184×10^1	
200. MeV	2.868×10^2	1.922				1.922		8.250×10^1	
300. MeV	3.917×10^2	1.889			0.000	1.889		1.351×10^2	
318. MeV	4.105×10^2	1.889			0.000	1.889			<i>Minimum ionization</i>
400. MeV	4.945×10^2	1.895			0.000	1.895		1.880×10^2	
800. MeV	8.995×10^2	1.966	0.000		0.000	1.966		3.953×10^2	
1.00 GeV	1.101×10^3	1.998	0.000		0.000	1.999		4.962×10^2	
1.40 GeV	1.502×10^3	2.051	0.000		0.001	2.052		6.936×10^2	
2.00 GeV	2.103×10^3	2.109	0.001	0.000	0.001	2.111		9.817×10^2	
3.00 GeV	3.104×10^3	2.175	0.001	0.001	0.001	2.178		1.448×10^3	
4.00 GeV	4.104×10^3	2.221	0.001	0.001	0.002	2.225		1.902×10^3	
8.00 GeV	8.105×10^3	2.326	0.003	0.003	0.004	2.336		3.651×10^3	
10.0 GeV	1.011×10^4	2.358	0.004	0.004	0.005	2.371		4.500×10^3	
14.0 GeV	1.411×10^4	2.404	0.006	0.007	0.007	2.424		6.168×10^3	
20.0 GeV	2.011×10^4	2.451	0.010	0.011	0.009	2.481		8.612×10^3	
30.0 GeV	3.011×10^4	2.502	0.016	0.019	0.014	2.551		1.258×10^4	
40.0 GeV	4.011×10^4	2.537	0.023	0.028	0.018	2.606		1.646×10^4	
80.0 GeV	8.011×10^4	2.616	0.051	0.069	0.034	2.771		3.132×10^4	
100. GeV	1.001×10^5	2.641	0.067	0.091	0.043	2.842		3.845×10^4	
140. GeV	1.401×10^5	2.678	0.099	0.137	0.059	2.973		5.220×10^4	
200. GeV	2.001×10^5	2.717	0.149	0.210	0.084	3.160		7.177×10^4	
300. GeV	3.001×10^5	2.761	0.235	0.334	0.126	3.455		1.020×10^5	
400. GeV	4.001×10^5	2.792	0.324	0.463	0.168	3.747		1.298×10^5	
800. GeV	8.001×10^5	2.867	0.697	1.003	0.339	4.905		2.228×10^5	
1.00 TeV	1.000×10^6	2.892	0.889	1.282	0.426	5.489		2.613×10^5	
1.11 TeV	1.110×10^6	2.903	0.995	1.434	0.475	5.807			<i>Muon critical energy</i>
1.40 TeV	1.400×10^6	2.929	1.277	1.837	0.604	6.647		3.275×10^5	
2.00 TeV	2.000×10^6	2.969	1.874	2.688	0.874	8.406		4.076×10^5	
3.00 TeV	3.000×10^6	3.016	2.874	4.106	1.340	11.335		5.097×10^5	
4.00 TeV	4.000×10^6	3.049	3.891	5.544	1.813	14.298		5.881×10^5	
8.00 TeV	8.000×10^6	3.131	8.014	11.337	3.786	26.268		7.914×10^5	
10.0 TeV	1.000×10^7	3.158	10.100	14.255	4.802	32.315		8.599×10^5	
14.0 TeV	1.400×10^7	3.199	14.262	20.069	6.896	44.425		9.651×10^5	
20.0 TeV	2.000×10^7	3.243	20.559	28.839	10.113	62.755		1.078×10^6	
30.0 TeV	3.000×10^7	3.294	31.044	43.431	15.700	93.469		1.208×10^6	
40.0 TeV	4.000×10^7	3.331	41.587	58.071	21.434	124.423		1.300×10^6	
80.0 TeV	8.000×10^7	3.422	83.847	116.682	45.505	249.456		1.523×10^6	
100. TeV	1.000×10^8	3.452	105.028	146.023	57.986	312.489		1.595×10^6	