

M _i (g/mol)	w _i (g)	n _i (mol)	(w _i)(M _i)
15000	0.1	6.67E-06	1500
27000	0.19	7.04E-06	5130
39000	0.25	6.41E-06	9750
56000	0.17	3.04E-06	9520
78000	0.12	1.54E-06	9360
104000	0.08	7.69E-07	8320
120000	0.06	5.00E-07	7200
153000	0.04	2.61E-07	6120

$$M_n = 38522$$

$$M_w = 56337$$

$$M_n = \frac{\sum (n_i * M_i)}{\sum (n_i)} = \frac{\sum (w_i)}{\sum (n_i)}$$

$$M_w = \frac{\sum (w_i * M_i)}{\sum (w_i)}$$

