

Additional Notes – Lecture 1

Rafiqul Gani

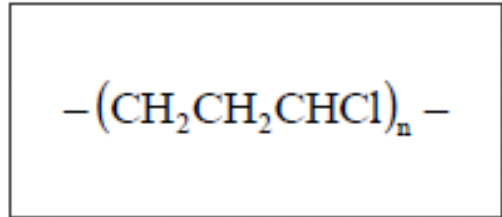
PSE for SPEED

Skyttemosen 6, DK-3450 Allerød, Denmark

rgani2018@gmail.com

www.pseforspeed.com

From van Krevelen (1990)



i	Group	Y_i	V_i	H_i	M_i
1	-CH ₂ -	2700	15.85	0.000033	14
2	-CO-	27000	13.4	0.11	28
3	-COO-	8000	23	0.075	44
4	-O-	4000	10	0.02	16
5	-CONH-	12000	24.9	0.75	43
6	-CHOH-	13000	19.15	0.75	30
7	-CHCl-	20000	29.35	0.015	48.5

$$T_g(\underline{n}) = \frac{2700 \times 2 + 20000 \times 1}{14 \times 2 + 48.5 \times 1} = 332 \text{ K}$$