

## REFERENCES

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## APPENDICE

**APPENDIX**

**DRY BLENDING FORMULATIONS FOR RIGID PVC PROFILE**

**TABLE A : Study Effect of Ca-St and Zn-St**

Chemical	Batch No.	Chemical amount (phr)								
		1	2	3	4	5	6	7	8	9
PVC	100	100	100	100	100	100	100	100	100	100
Impact modifier	7	7	7	7	7	7	7	7	7	7
Filler	4	4	4	4	4	4	4	4	4	4
PE wax	1	1	1	1	1	1	1	1	1	1
Ca-stearate	3	3	3	6	6	6	6	8	8	8
Zn-stearate	0	1	2	0	1	2	0	1	1	2



TABLE C : Study of the effect of SBM, BHT, Mg/Al hydroxide carbonate and lubricants

Batch No.	Chemical amount (phr)						
	17	22	23	24	25	26	27
Chemical							
PVC	100	100	100	100	100	100	100
Impact modifier	7	7	7	7	7	7	7
Filler	4	4	4	4	4	4	4
PE Wax	1	1	1	1	1	1	1
Ca-Stearate	6	6	6	6	4	4	4
Zn-Stearate	1	1	1	1	1	1	1
ESBO	5	5	5	5	5	5	3
Tris(nonylphenyl) phosphite	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SBM	0.5	0.5	0.5	0.5	0.5	0.5	0.5
BHT	-	-	0.5	-	-	-	-
Lubricants*	-	-	-	1.5	1.5	1.5	1.5
Mg/Al hydroxide carbonate	-	-	-	-	-	0.5	0.5

Remark : \*Lubricants 1.5 = Dicarboxylic acid ester 0.5 +

Fatty acid ester 0.5 + Acrylic polymer 0.5

TABLE D : Formulation of Rigid PVC Profile with Pb-stabilizer

System

Chemical	Amount (phr)
PVC	100
Impact modifier	7
Filler	4
PE-wax	1
Neutral lead stearate	1
Tribasic lead sulphate	3

## **CURRICULUM VITAE**

Mr. Chatuporn Buranonta was born on October 15, 1967 in Mahasarakham. After the graduation with a B.Sc. in Material Science from the Faculty of Science, Chulalongkorn University. He has been working at the Thai Plastic and Chemicals (Public Company) as a chemist in quality control department. Presently, he is also a graduate student at the Division of Petrochemistry and Polymer Science, Faculty of Science, Chulalongkorn University for his Master degree in Polymer.