1	Introduction	4	5.3	Tensile Stress
_	0	_	5.4	Tear Resistance
2	Compound Design		5.5	Abrasion Test
2.1.	Components of the Recipe		5.6	Compression Set
2.2	Procedure for Compound Developme		5.7	Rebound Resilience Test
2.3	Types of Recipes	7	5.8	Accelerated Aging or
2.4	Mixing Equipment and the			Heat Resistance
	Mixing Process	10	5.9	Ozone Resistance
3	_ Raw Materials	15	5.10	Exposure to Liquids
3.1	Elastomers		5.11	Fatigue Resistance
3.2	Fillers	33	6	Classification System
3.3	Plasticizers, Softeners, and		U	for Elastomers for Automotive
	Processing Aids	. 40		Applications
3.4	Aging, Fatigue, and Ozone			** pprioduorio :
	Protective Agents	. 45	7	Troubleshooting
3.5	Vulcanization Accelerators	. 49	•	P
3.6	Miscellaneous Compounding		8	_ Examples
	Materials	. 52	9	Useful Tables
4	Violannination Contains			Density of Rubber Compound
4	Vulcanization Systems	55 		Materials
4.1	Vulcanization Agents	57	9.2	Commercial Rubber Compound
4.2	Activators	61		Formulations and Properties
4.3	Accelerators	62	9.3	Abbreviations and Symbols
4.4	Vulcanization Conditions	65		-
5	_ Rubber Industry Standards	67	10	Further Reading
5.1	State of Cure Tests	67		
5.2	Hardness Test	69		