



SDI Review Form 1.6

Journal Name:	American Chemical Science Journal
Manuscript Number:	2013_ACSj_6575
Title of the Manuscript:	CURE CHARACTERISTICS AND RHEOLOGICAL PROPERTIES OF MODIFIED KAOLIN - NATURAL RUBBER VULCANIZATES
Type of the Article	Research

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	1. Include details of measurement of cure characteristics of the rubber compounds as 2.5 in the Experimental section. 2. Include details of measurement of cure characteristics of the rubber compounds as 2.5 in the Experimental section. 3. Present the major findings of the study in a separate section, 4.0 as Conclusion. 4. Include an Acknowledgement section mentioning the personnel / institutions where external processing / testing of the compositions were carried out.	Included. Done.
Minor REVISION comments	1. p.1, Abstract, lines 1-3, Change the sentence as – ‘Natural rubber (NR) was modified with 2-10 phr (parts per hundred rubber) of metal salt of rubber seed oil (RSO-Na) by melt intercalation. 2. p.1, Abstract, line 4, Change as – Torque minimum (M_L) and torque maximum (M_H) which are .. 3. p.3, Experimental, line 5, Change RSSV as RSS-5 4. p.3, Experimental, line 9, Delete ‘approximately’. 5. p.3, Experimental, line 17, Change ‘determined’ to ‘carried	Done Done



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	out’. 6. p.3, Experimental, line 22, Change ‘Ao’ to ‘Ä’ and ‘Kv’ to ‘kV’ 7. p.4, Table 1, Column 1, Change ‘Unmodified’ to ‘Unmodified kaolin’ and ‘Modified’ to ‘Modified kaolin’. 8. p.4, line 15, Change ‘Discussions’ to ‘Discussion’ 9. p.5, Results and Discussion, line 8, Delete ‘obtained by previous workers [33]’. 10. p.5, Results and Discussion, line 9, Change ‘for the current study’ to ‘respectively [33]’. 11. p.5, Results and Discussion, line 15, Change ‘is’ to ‘are’. 12. p.6, Results and Discussion, lines 2-4, Delete the sentence, ‘The increment of ...’ and reference number 27. 13. p.6, Results and Discussion, lines 14 and 15, Change ‘vulcanizates’ to ‘mixes’. 14. p.6, Results and Discussion, line 21, Change ‘word’ to ‘words’. 15. p.6, Results and Discussion, line 29, Change ‘composite’ to ‘composites’. 16. p.7, Results and Discussion, line 1, Change ‘the NR and organoclay’ as ‘NR’. 17. p.9, Results and Discussion, Figure 4 Caption, Change ‘vulcanizate’ to ‘mixes’. 18. p.10, References, Nos. 1, 4, 5, 6, 9, 11, Shift the initials of authors to the end of names. 19. p.10, References, Nos. 3 and 6 are incomplete.	Done Done Done Done and all others below.
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	20. p.10, Reference, No. 8 and p.11, Reference, No. 14, Change ‘Strivastava’ to ‘Srivastava’ 21. p.10, Reference, No. 12, Remove the bracket. 22. p.11, Reference, No. 13, Change ‘Macromo’ to ‘Macromol’. 23. p.11, Reference, No. 16, Change ‘Karger-kocsis’ to ‘Karger-Kocsis’. 24. p.11, Reference, No. 22, Change ‘Natural’ to ‘natural’. 25. p.11, Reference, No. 23, Change ‘polymer’ to ‘Polymer’ 26. p.11, Reference, No. 25, Title of the paper is incomplete in the middle. 27. p.12, Reference, No. 26, Change ‘multiadditives’ into ‘multi-functional additives’ and ‘polymer’ to ‘Polymer’. 28. p.12, Delete Reference No. 27 and re-number the following references accordingly. 29. p.12, Reference, No. 33, Change ‘as filler for Natural rubber’ to ‘as a reinforcing filler for natural rubber’ and ‘polymer science’ to ‘Polymer Science’.	
<u>Optional/General</u> comments	The paper forms part of a topic of industrial relevance	