



SDI Review Form 1.6

Journal Name:	American Chemical Science Journal
Manuscript Number:	2014_ACSj_12031
Title of the Manuscript:	EFFECT OF Al ₂ O ₃ FILLER ON MECHANICAL BEHAVIOUR ACRYLIC FILMS
Type of the Article	Original Research Article

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:

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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	Some revisions would improve the manuscript, mainly for mechanical properties of acrylic films. Referee comments Some revisions would improve the manuscript, mainly for mechanical properties of acrylic films. II. EXPERIMENTAL WORK Line 11.- 450 C ...add degree symbol Line 11.- change 4H for 4h Line 12. "The solution was cast as films..... Improve the redaction of this sentence In film preparation, the mixture gives a film forming or filmogenic solution being poured into sterile dishes Line 16.- change 3H for 3h Equation (1) ... Please clarify this III. CHARACTERIZATION The methodology for RXD was forgotten. Figure 2.- Improve resolution In addition, what about figures 3, 4, 5 y 6? Please explain in the text because the aim of the work is not demonstrated.	1. All the required and necessary corrections suggested by respected Reviewer are made and highlighted in yellow colour as such. 2. The density of the polymeric thin film is measured using Archimedes principle where water is taken as immersion liquid for its alumina is insoluble in water. Rest of W_1 and W_2 are given removing connecting wire weights and at different temperature using isolated surrounding. 3. The methodology of XRD is also inserted, the resolution of the FESEM is improved for 2 (a) and (b) figures and brief explanation about figures 3, 4, 5 and 6 are included and highlighted therein.
Minor REVISION comments		



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<u>Optional/General</u> comments		