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| **STANDARD OPERATING PROCEDURE**  Flame Retardant Testing |

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## Purpose

## The purpose of adding the flame retardant in the MB is to improve the fire resistance of the polymer. This test method is developed to evaluate the efficient fire retardant.

## Scope

This test method covers the determination of the fire retardant which are more efficient and resistive to fire. By evaluation of the flame retardant we’ll able to choose for better additive to incorporate it in the system.

## Responsibilities

Trainee Engineer- REC/ Lab Engineer

## Procedure:

1. Make chips on injection molding, one without flame retardant and other by using flame retardant. Dosage ratio depends on nature of the sample.
2. Then expose the chips on to the direct flame.
3. Note which one gets fire earlier.
4. The one which get fire later will be suitable for the system.

## Associated Documents and Records

* Testing of additives

**AMENDMENT HISTORY**

|  |  |  |  |
| --- | --- | --- | --- |
| **REV. #** | **DCR#** | **SECTION** | **AMENDED TEXT** |
| 1 |  | 4 | Dosage ratio depends on nature of the sample. |
| 1 |  | 5 | Testing of additives |
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\* All changes made in the document are notified in the Amendment History Table.