**2022-03-10**

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| What is this experiment for? | Triplets v4: pink tip – slow velocities |

# **Checklist**

Position Tiles

Turn Vacuum off

Put measurement cap on

Turn Camera light off

Measure tiles

Put cap off

Turn Vacuum on

**Glue:**

|  |  |  |  |
| --- | --- | --- | --- |
| Start Time: | 10:50 |  |  |
|  | Measurements / Parameters to test | Stopwatch time | Comments |
| Glue Temperature: | 50°C |  |  |
| Weight Glue: | 10.14 g |  |
| Weight Hardener: | 0.753 g | **Start Stopwatch** |  |
| Glue Temperature: | 32 °C | 00 |  |
| Degas Pictures taken after X min: | 5, 10:00 min | 00 |  |
| Glue Temperature: | 25.2 °C | 00 |  |
| Filling Syringe |  | 13:03 |  |
| Testing Dispenser |  | 00 | good |
| Leveling Procedure |  | 15:20 | 8mm block stands on tile nr 11 |
| Start Triplet 1 | V=5.5mm/S | 20:33 | One edge failed -> bad hight calibration. New calibration and it worked |
| End Triplet 1 |  | 21:23 |  |
| Start Triplet 2 | V=7.2mm/s | 21:55 | Brown triplet |
| End Triplet 2 |  | 22:30 |  |
| Start Triplet 3 | V=9mm/s | 23:04 | Yellow triplet |
| End Triplet 3 |  | 23:50 |  |
| Turn Vacuum off |  | 24:40 |  |
| Put measurement cap on |  | 0 |  |
| Start measurement (Repetion: x24) |  | 28:00 | Datetime: 11:18 |

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| --- | --- |
| after 5 min | After 10 min |

## Results

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|  | **Triplet Description**  - Blue Triplet  - v = 5.5 mm/s  - ϕ=0.021cc/s  Vac release right after gluing |
|  | **Triplet Description**  - brown Triplet  - v = 7.2 mm/s  - ϕ=0.021cc/s  Vac release right after gluing |
|  | **Triplet Description**  - yellow Triplet  - v = 9 mm/s  - ϕ=0.021cc/s  Vac release right after gluing |

## Analysis Results:

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