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|  | |  | | --- | | **Simulation of Top Part**  **Date: Monday, May 13, 2024 Designer: Solidworks**  **Study name: Static 1**  **Analysis type: Static** | | Table of Contents  [Description 1](#_Toc166502856)  [Assumptions 2](#_Toc166502857)  [Model Information 2](#_Toc166502858)  [Study Properties 3](#_Toc166502859)  [Units 3](#_Toc166502860)  [Material Properties 4](#_Toc166502861)  [Loads and Fixtures 4](#_Toc166502862)  [Connector Definitions 4](#_Toc166502863)  [Contact Information 4](#_Toc166502864)  [Mesh information 4](#_Toc166502865)  [Sensor Details 5](#_Toc166502866)  [Resultant Forces 5](#_Toc166502867)  [Beams 5](#_Toc166502868)  [Study Results 5](#_Toc166502869)  [Conclusion 5](#_Toc166502870) | |
| Description No Data |

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| Assumptions |

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| Model Information  |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  | | --- | |  |   ****Model name:** Top Part**  ****Current Configuration:** Default** | | | | | ****Solid Bodies**** | | | | | ****Document Name and Reference**** | ****Treated As**** | ****Volumetric Properties**** | ****Document Path/Date Modified**** | | **Mirror2** | **Solid Body** | ****Mass:4.41933e-05 kg****  ****Volume:4.41933e-05 m^3****  ****Density:1 kg/m^3****  ****Weight:0.000433094 N**** | ****C:\Users\senum\OneDrive\Desktop\New folder (6)\EDR\SW\Top Part.SLDPRT****  **May 13 14:14:10 2024** | |

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| Study Properties  |  |  | | --- | --- | | Study name | Static 1 | | Analysis type | Static | | Mesh type | Solid Mesh | | Thermal Effect: | On | | Thermal option | Include temperature loads | | Zero strain temperature | 298 Kelvin | | Include fluid pressure effects from SOLIDWORKS Flow Simulation | Off | | Solver type | FFEPlus | | Inplane Effect: | Off | | Soft Spring: | Off | | Inertial Relief: | Off | | Incompatible bonding options | Automatic | | Large displacement | Off | | Compute free body forces | On | | Friction | Off | | Use Adaptive Method: | Off | | Result folder | SOLIDWORKS document (C:\Users\senum\OneDrive\Desktop\New folder (6)\EDR\SW) | |

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| Units  |  |  | | --- | --- | | Unit system: | SI (MKS) | | Length/Displacement | mm | | Temperature | Kelvin | | Angular velocity | Rad/sec | | Pressure/Stress | N/m^2 | |

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| Material Properties No Data |

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| **Loads and Fixtures** **No Data** |

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| Connector Definitions No Data |

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| Contact Information No Data |

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| Mesh information No Data |

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| Sensor Details No Data |

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| Resultant Forces No Data |
| No Data |

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| Beams No Data |

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| Study Results No Data |

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| Conclusion |