

# CNSI Microfluidics Laser Cutting Data

---

## Material Vendors

Acrylic sheet, optically clear, from McMaster Carr: part number 8560K239  
<http://www.mcmaster.com/#catalog/119/3558/=molz4w>

## Cutting Parameters

Cutting 1/8", 100% power, 0.4 ipm, 2000 Hz, (Dave Bothman, 5/5/13 - clean cut)

Cutting 1/4", 100% power, 0.15 ipm, 1000 Hz, z offset -.125, (Dave Bothman, 5/5/13 - clean cut)

250um PDMS with mylar backing

Cutting 42% power, 2.0 1ps, 5000Hz (Peter Mage, 5/9/13 - some flash and soot - recipe needs to be refined)

---

From:

<https://bpm-wiki.cnsi.ucsb.edu/> - NSF BioPACIFIC MIP Wiki

Permanent link:

[https://bpm-wiki.cnsi.ucsb.edu/doku.php?id=laser\\_cutting\\_data&rev=1368158597](https://bpm-wiki.cnsi.ucsb.edu/doku.php?id=laser_cutting_data&rev=1368158597)

Last update: **2013/05/10 04:03**

