

CNSI Microfluidics Laser Cutting Data

Material Vendors

Acrylic sheet, optically clear, from McMaster Carr: part number [8560K239](#)

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://microfluidics.cnsi.ucsb.edu/wiki/> - Innovation Workshop Wiki

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