

# Solid Rocket Motor Analysis Report

Generated on 2025-04-11 18:06:19

File: time,thrust,pressure,temperature.csv

**Motor Classification: D**

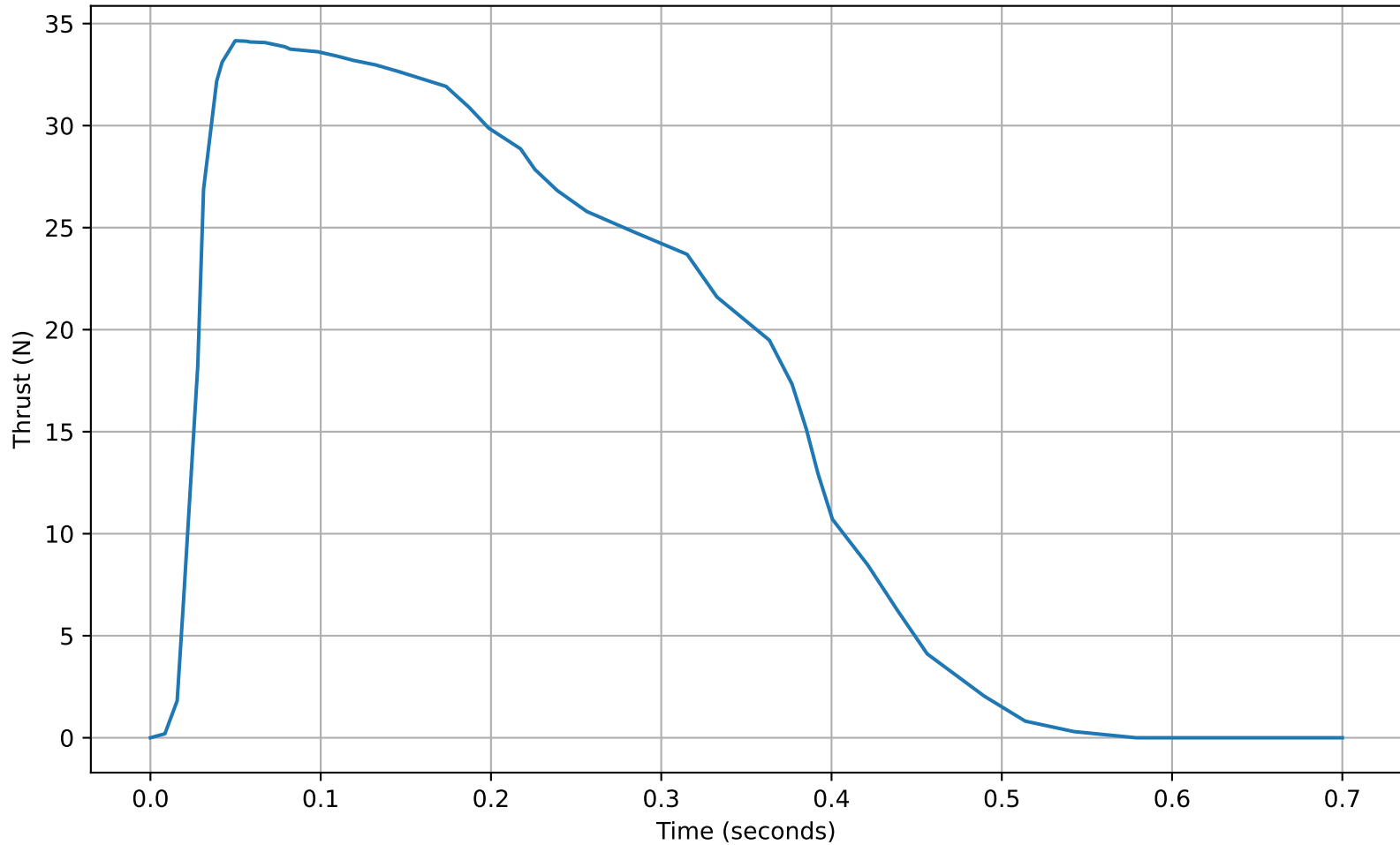
Total Impulse: 10.73 N·s

Burn Time: 0.47 seconds

Average Thrust: 19.41 N

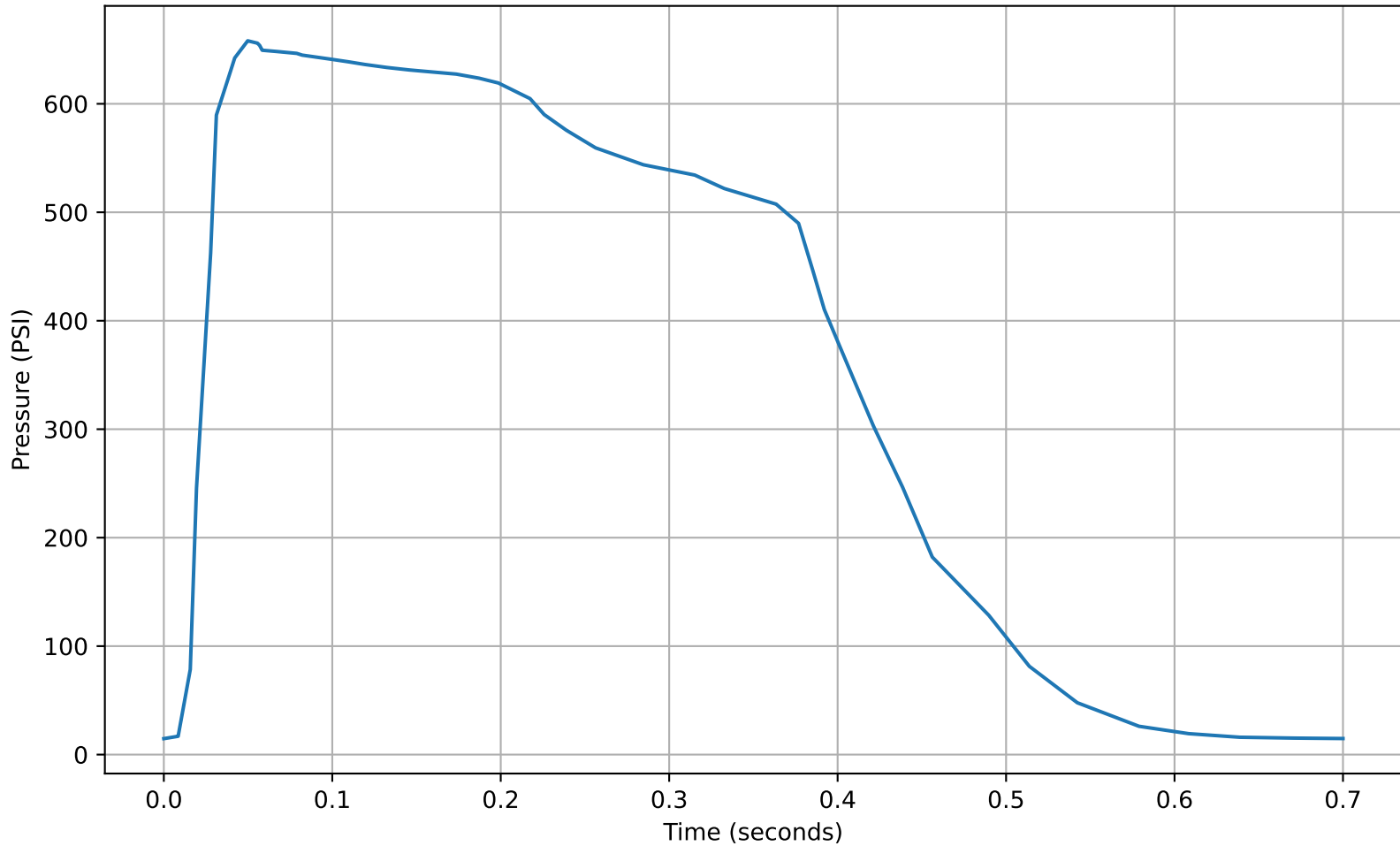
Maximum Thrust: 34.16 N

Thrust vs. Time



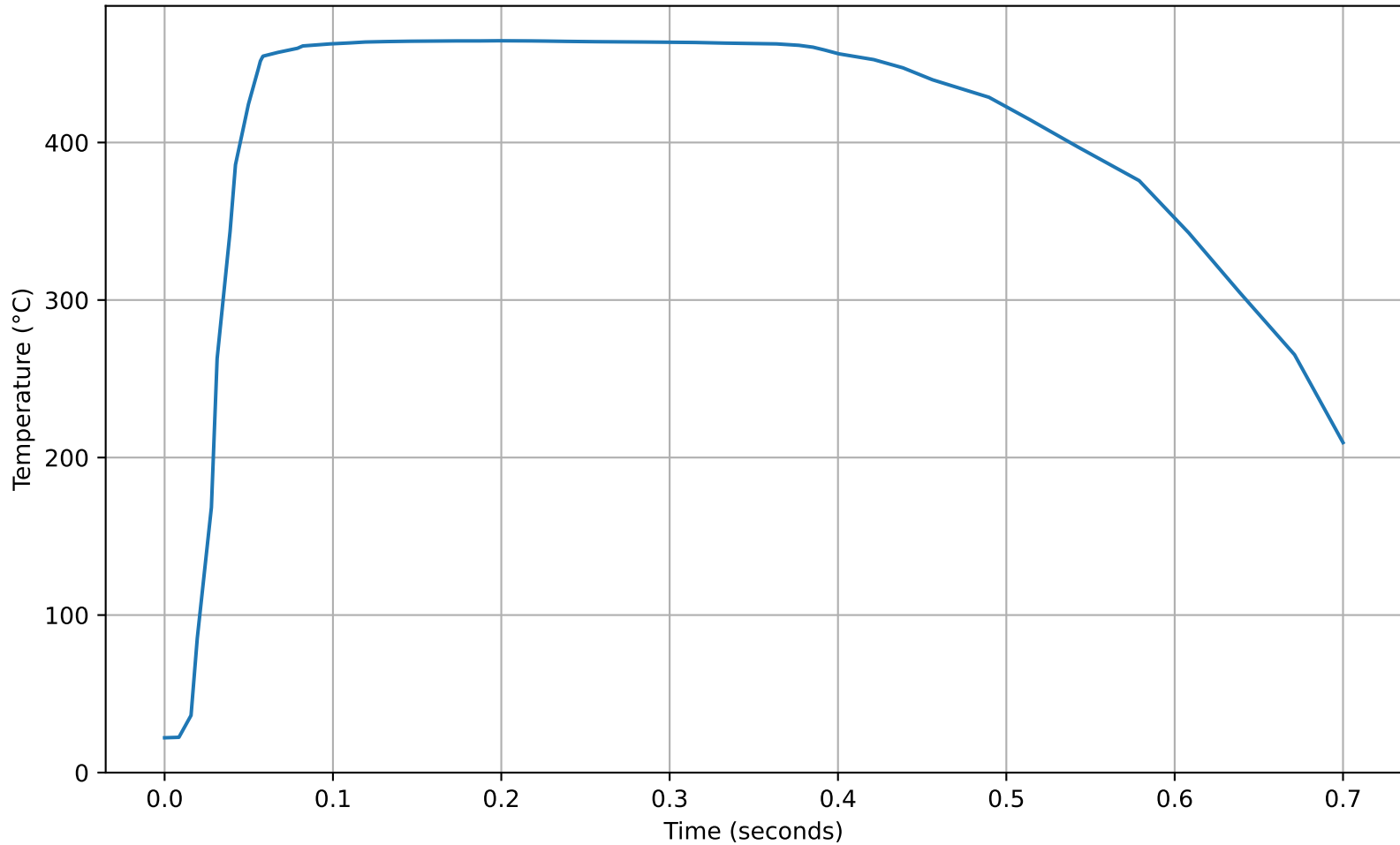
Maximum Thrust: 34.16 N

Pressure vs. Time



Maximum Pressure: 658.10 PSI

Temperature vs. Time



Maximum Temperature: 464.60 °C

## Detailed Analysis

Total Impulse: 10.73 N·s

Motor Classification: D

Burn Time: 0.47 seconds

Average Thrust: 19.41 N

Maximum Thrust: 34.16 N

Maximum Pressure: 658.10 PSI

Maximum Temperature: 464.60 °C

Specific Impulse: N/A

Pressure-Time Integral: 249.02 PSI·s