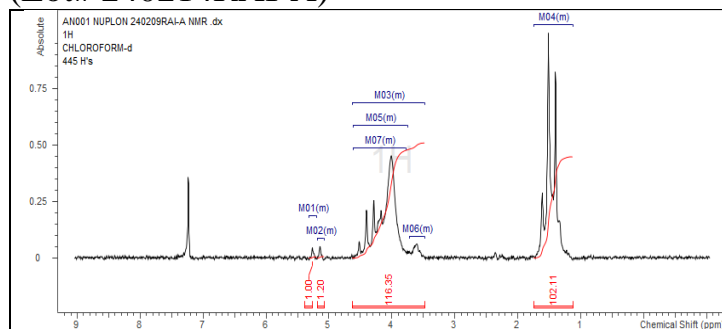


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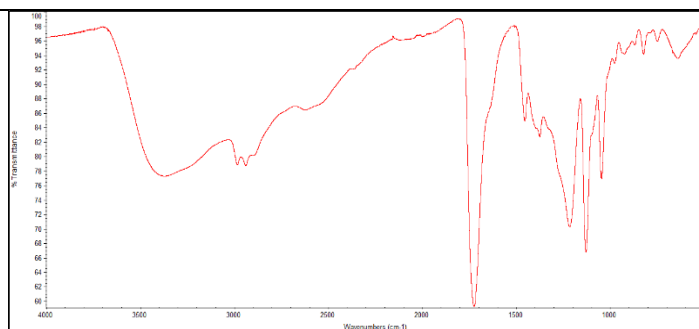
Certificate of Analysis



Product Name: Nuplon (Type M317) Heat-Curable Resin
(Lot# 240214RAI-A)



H-NMR Spectrum of copolymers in CDCl₃ (NMReady-60e, Nanalysis 60 MHz)



FTIR Analysis: Collected from Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode

Viscosity: 173 cP at 20 °C (+/- 1 °C)

Method: Brookfield model LVDVE spindle viscometer with small sample-adaptor and #13 spindle rotating at 5 RPM.

- Caution: Contains lactic acid which is an irritant. Use with suitable ventilation.
- To cure: Pour solution into open-faced mold coated with mold-release aid and heat initially to 90-110 °C for 1-2 hours then increase temperature to between 130 – 170 °C overnight (16-24 hours) to cure. Afterwards, demold product and cut/machine to form the final shape. Final product is temperature stable in the range of -40 ° to 350 °C when dry becomes flexible when hydrated. Will degrade to non-toxic products after 2-3 months in conventional waters. For other applications and technical hints visit <http://www.nuplon.com/tech>

PATENT PENDING

Approved By:
Amie Tyler
Quality Manager