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Reference
F4 17365

Determination of NCO-content of prepolymer for construction foam via IR analysis

(1 appendix)

Objects

One sample of prepolymer for PU-foam.

Sample marking:	T510
Packaging:	Tin can
Arrival Date:	Sept. 13, 2004
Testing Date:	Sept. 13, 2004

Assignment

Perform an infrared analysis of an NCO-free prepolymer for PU-foam

Method

The sample was pressed between two potassium bromide crystal windows and analysed with a Fourier transform infrared spectrophotometer between 4000 cm^{-1} to 600 cm^{-1} .

Result

The IR-spectrum is shown in appendix 1. There is no sign that NCO-groups are present. The presence of NCO-groups would be detected since both alkyl and aryl compounds with NCO-group absorb in the range 2274 cm^{-1} to 2242 cm^{-1} .

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Appendix
Graph

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