579.

Author

Wilk R.

Tittle

All fiber THz spectrometer for plastics industry

Source

BULLETIN OF THE POLISH ACADEMY OF SCIENCES-TECHNICAL SCIENCES vol.59 no.3 283-285 DOI: 10.2478/v10175-011-0034-x SEP 2011

Abstract

In this paper we present an all-fiber THz spectrometer based on novel OSCAT technique. We investigate its application to non-destructive testing in the polymer industry.

A set of polypropylene samples with different contents of TiO(2) as a filler is examined using THz waves.