

Press Release

Low-cost EDXRF Analysis of Silicone Coating on Paper and Plastic

Austin, TX – December 19, 2011. Applied Rigaku Technologies, Inc. today announced a new energy dispersive XRF method for the measurement of silicone coat weight on paper and plastic.

Application Note #1140 demonstrates the effectiveness of the [Rigaku NEX QC](#) benchtop EDXRF analyzer as an essential tool during the QC process in producing coated product. The method described employs Energy Dispersive X-ray Fluorescence spectrometry as an affordable means of optimizing quality while minimizing costs and reducing product rejection and waste.

Paper and plastic are coated with a thin layer of silicone as a release coating in the manufacture of tape or other adhesives, or as a barrier coating for protection against air in the packaging of food and other materials. When coating is too heavy silicone material is wasted, while too little coating may not meet the product requirements. The NEX QC analyzer enables quick checking of the silicone coat weight in order to maintain the highest product quality with minimal costs.

The typical results shown demonstrate the exceptional performance of Energy Dispersive X-ray Fluorescence spectrometry for the fast and simple measurement of silicone coat weight on paper and plastic.

A copy of this report may be requested at: http://www.rigakuedxrf.com/edxrf/app-notes.html?id=1140_AppNote

About Rigaku

Since its inception in Japan in 1951, Rigaku has been at the forefront of analytical and industrial instrumentation technology. Rigaku and its subsidiaries form a global group focused on life sciences and general purpose analytical instrumentation. With hundreds of major innovations to its credit, Rigaku and its subsidiary companies are world leaders in the fields of small molecule and protein crystallography, X-ray spectrometry and diffraction, X-ray optics, as well as semiconductor metrology. Rigaku employs over 1,100 people globally and its products are in use in more than 70 countries – supporting research, development, production control and quality assurance activities. Throughout the world, Rigaku continuously promotes partnerships, dialog, and innovation within the global scientific and industrial community.

For further information, contact:

Scott Fess
Product Manager
Applied Rigaku Technologies, Inc.
tel: +1. 512-225-1796
info@RigakuEDXRF.com