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IMPACT OF VARIATION OF OFFSET INK SOURCES ON QUALITY AND PRODUCTION ECONOMICS (CASE STUDY: EGYPTIAN PACKAGING COMPANIES)

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Abstract

Actually, there are many sources of offset printing ink, which are imported from other countries in the Egyptian market, and with the trend of seeking sustainability of packaging quality and reducing consumption as a way of cutting costs.

This research explores on important properties of inks by using laboratory tests, which influences the print quality and rate of consumption to help the procurement management and quality department of most packaging sector to decide how can be selected the proper ink type before Purchasing it.

The researchers used experimental and description methodology to study deferent types of offset printing inks, which available in local market, and compare them by laboratory experiments.

As more important results, it has been found a lack of methodology to select proper inks from Egyptian packaging companies, causing unsustainable of quality also increase consumption of inks. From this point, this paper has suggested laboratory test methods, which can be considered as main suitable test methods.

The researchers recommended measuring ink samples by laboratory test to be able to eliminate all economically losses and continue to sustain the printing quality.

Keywords:

Offset Inks — L*a*b* – viscosity- Density – Rub Testing – Ink Weight – Ink consumption – Paperboard

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