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TOPIC(s) : Polymers / Industrial chemistry

Current Development in biobased polyester : PRIC range

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PURPOSE OF THE ABSTRACT

ITERG, in collaboration with the Laboratoire de Chimie des Polymères Organiques in Bordeaux, has developed, few years ago, a range of polyesters from vegetable oil. These estolides have been tested in different applications and their potential seem to be huge and still underestimated.

Their uses in packaging, cosmetics, lubricant are actually evaluated and performance improvements have been achieved. Due to constant innovation, new fields of application are targeted such as coatings, surfactants, or paraffin substitution.

About twenty polymers have been approved internally and ITERG is able to produce them at the ton scale. The interest of PRIC range is based on the ability to tune polyester structure according to customer needs.

Technico-economic and environmental assessments have helped to better position our products in relation to markets.

FIGURES

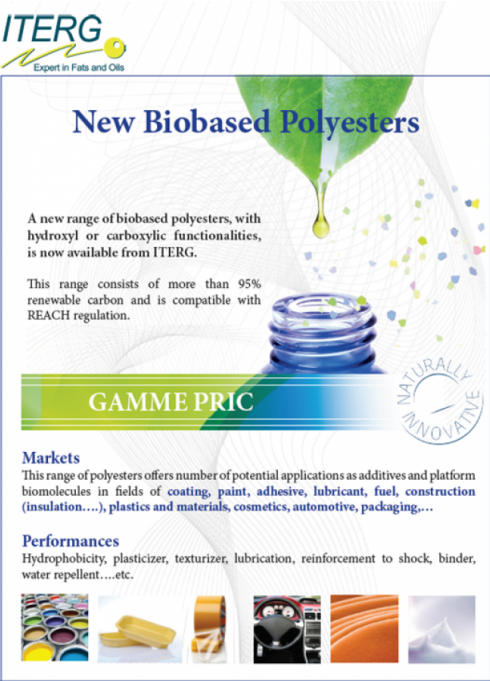


FIGURE 1
PRIC range
Flyer 1

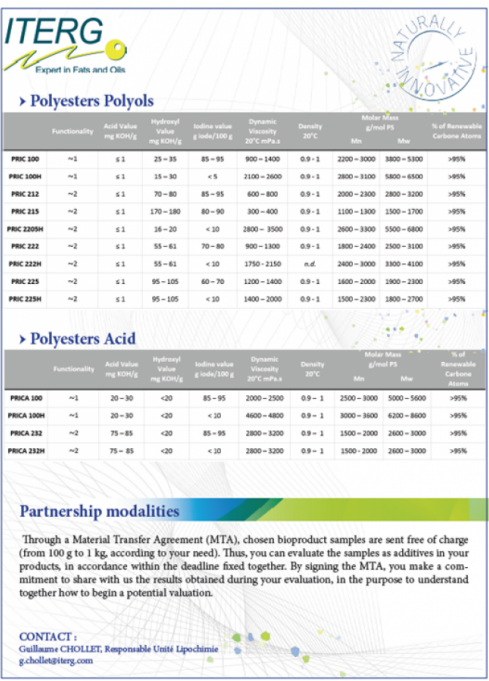


FIGURE 2
PRIC range
Flyer 2

KEYWORDS

Biobased polyesters | Additives | Vegetable oil

BIBLIOGRAPHY