



klöckner pentaplast

press release

FOR IMMEDIATE RELEASE

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KLÖCKNER PENTAPLAST INTRODUCES PENTAPHARM® LIQUIGUARD™ HOT- AND COLD-FILL BLISTER FILMS

Montabaur, Germany – November 3, 2016 – Klöckner Pentaplast introduces LiquiGuard™ the latest innovation in the Pentapharm® line of pharmaceutical blister films. Until now, the limitations of blister films to withstand hot-fill liquids and other emerging dosage forms presented too great a technical challenge for blister packaging to be a viable option for nutraceuticals and medications beyond solid oral dose formulations. With Pentapharm® LiquiGuard™, hot- and cold-fill liquids and semi-solids can be formed and packaged directly in a crystal-clear, thermostable laminate film that protects sensitive products from package leaching and moisture gain or loss.

Pentapharm® LiquiGuard™ films are an excellent choice for a wide range of applications such as chewables, nutraceuticals, pharmaceuticals, formulations sensitive to flavor or odor loss, unit dose liquids and veterinary packaging. In addition, these new films offer a unique combination of benefits across applications including autoclavable for sterile applications, customizable high moisture barrier (prevents moisture loss as well as gain), excellent deep-draw properties for complex blister geometries, and high slip for quick release and increased productivity. These films also provide high heat stability, low leachability and extractability with excellent odor and flavor retention, one-stage forming and packaging of hot-fill products and visual clarity for enhanced shelf appeal.

“Pentapharm LiquiGuard™ provides an advanced option for single unit dose packaging of medications in any dosage form that require resistance to extreme temperatures up to 120°C during processing, while offering all the benefits of a clear, thermoformable blister film with a customizable moisture barrier,” states Daniel Stagnaro, Director, Global Market Development, Pharmaceutical Packaging.

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About the Klöckner Pentaplast Group

The Klöckner Pentaplast Group is a global leader in providing packaging, printing and specialty solutions serving the pharmaceutical, medical device, food, beverage and card markets among others. With a broad portfolio of rigid plastic films and services powered by innovation, Klöckner Pentaplast plays an integral role in the customer value chain by marketing and protecting product integrity, safety, consumer health and ultimately, brand reputation.

Klöckner Pentaplast continuously earns high EcoVadis ratings, indicating the company's commitment to Corporate Social Responsibility throughout its global operations. kp's practices rank in the top 8% of suppliers within the respective industry classification of plastics manufacturing and in the top 12% of over twenty thousand suppliers evaluated by EcoVadis. In benchmark comparison within the plastics manufacturing industry, kp is ahead of the industry average in all four areas assessed: Environment, Labor Practices, Fair Business Practices, and Responsible & Sustainable Procurement. Klöckner Pentaplast is among the top 5% of suppliers assessed in industry classification for Environmental Practices and in the top 9% of suppliers assessed in respective industry classification of Fair Business Practices. Visit www.kpfilms.com.

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