

Press Release

THERMOLAST® H TPEs designed for syringe gasket applications

Kuala Lumpur, October 2021

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THERMOLAST® H TPEs designed for syringe gasket applications

The trend of usage of TPEs is gaining momentum in the global market. This is highly likely to fuel the demand of TPEs and market growth of medical elastomers in the coming years.

The THERMOLAST® H HC/AP series from KRAIBURG TPE is tailored to suit syringe gasket applications, due to its high degree of purity and since it is free from PVC, silicone, latex, and animal ingredients. The compound series is also easier to process, in comparison to other materials.

The unique HC/AP series compounds, developed specifically for the Asia Pacific market, are a high-quality material solution for syringe gaskets. One of the benefits is that the material has good sealing properties, thus avoiding syringe leakage during usage.

Furthermore, the elasticity feature of the compounds ensures there is no back flow against the side of the syringe, thereby allowing for accurate dosage administration.

In addition, the series of compounds have good chemical resistance and are cytotoxic free. The materials have passed cytotoxicity tests in line with ISO 10993-5 and GB/T 16886.5, and are certified in accordance to other approvals and standards, such as China GB 4806 – 2016, US FDA CFR 21, Regulation (EU) No 10/2011, REACH, and RoHS.

The translucent compounds can be colored to provide a variety of chromatic effects, depending on the needs of the customer. Moreover, the HC/AP series has a wide range of hardness from 30-90 Shore A; as well as optimized processability.

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About KRAIBURG TPE

KRAIBURG TPE (www.kraiburg-tpe.com) is a global manufacturer of thermoplastic elastomers. From its beginning in 2001 as a subsidiary of the historical KRAIBURG Group founded in 1947, KRAIBURG TPE has pioneered in TPE compounds, today being the competence leader in this industry. With production sites in Germany, the U.S., and Malaysia, the company offers a broad range of compounds for applications in the automotive, industrial, consumer, and strictly regulated medical sectors. The established THERMOLAST®, COPEC®, HIPEX®, and For Tec E® product lines are processed by injection molding or extrusion and provide numerous processing and product design advantages to manufacturers. KRAIBURG TPE features innovative capabilities as well as true global customer orientation, customized product solutions and reliable service. The company is certified to ISO 50001 at its headquarters in Germany and holds ISO 9001 and ISO 14001 certifications at all global sites. In 2019, KRAIBURG TPE, with 645 employees worldwide, generated sales of 190 million euro.