

News Release

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One of life's great little pleasures

- **American coffee machine manufacturer Bruvi uses Ultrason[®] polyethersulfone (PESU) by BASF for extractor lens in its coffee brewers**
- **Ultrason[®] E 2010 shows excellent mechanical strength, dimensional stability and hot steam resistance**
- **Ideal material for smart household appliances that combine ease of digital use with high performance**

The American coffee brand Bruvi[®] now uses Ultrason[®] E 2010 to manufacture the extractor lens in its coffee brewers. The complex injection-molded component is part of Bruvi's unique auto-optimized brewing technique, scanning the coffee pod and then automatically adjusting the brewing parameters to the specific recipe for the optimal brew of each individual coffee. The BASF polyethersulfone (PESU) contributes to the durability of the machine by its excellent mechanical strength, its high heat and steam resistance up to 180°C, as well as dimensional stability at varying temperatures. The food-contact approved thermoplastic meets Bruvi's standards for ensuring tastier coffee and hygienic brewing: It does not affect the taste of the coffee or gives off any odors. This allows Ultrason[®] E 2010 to outperform other materials which are used in coffee machine applications.

The high-quality thermoplastic Ultrason[®] E 2010 is approved for food contact according to American, European and Chinese specifications. Single-serve brewing systems like the one by Bruvi benefit from its temperature-independent mechanical properties and the absence of harmful substances, meeting Bruvi's requirements

for constantly exceptional flavor and high precision in preparing the different brewing options – all this over the whole service life of the machine. “Our brewers combine high performance, ease of use, customization and versatility”, says Sung Oh, Co-Founder of Bruvi. “We selected Ultrason® because it supports our advanced brewing technology: It is safe to use and also withstands the high pressure and hot steam occurring during coffee making. The extractor lens made of Ultrason® is key for our automatic brewing system, which creates the optimal coffee taste, just like the roaster intended.”

Thus, Ultrason® also enables smart home appliances that are digitally operated or remote-controlled via apps. “Our tailored Ultrason® grades for household and catering applications have advanced coffee-making technologies for some time now,” says Georg Graessel from global business development Ultrason® at BASF. “Coffee has become a trend beverage, so the demands on the materials used are manifold, uncompromising and now go more and more digital, too. Our cooperation with the brewing specialist Bruvi shows that we can offer our customers the tailored material for durable and modern household appliances, a reliable material supply in all regions and the corresponding technical services.” The medium-viscosity grade Ultrason® E 2010 can be smoothly injection-molded and easily assembled with screws because of its very good mechanical properties. The extractor lens made of Ultrason® E 2010 is overmolded with rubber so that the coffee capsule sits tightly and no water runs into the machine.

Ultrason® is the trade name for BASF’s product range of polyethersulfone (Ultrason® E), polysulfone (Ultrason® S) and polyphenylsulfone (Ultrason® P). The high-performance thermoplastic is used to manufacture water filtration membranes, stylish, durable and safe household and catering applications as well as lightweight components for the automotive and aerospace industries. Ultrason® brands can substitute thermosets, metals, glass and ceramics in many applications because of their extraordinary property profile.

More information: www.ultrason.basf.com/householdcatering

About Bruvi

Founded in 2018, Bruvi offers remarkably tastier coffee in a single-serve system, plus proprietary Guilt Free Toss® B-Pods®. Bruvi reinvents single-serve brewing with patent pending technology that brews to the Golden Cup Standard of the U.S. Specialty Coffee Association. As a coffee first

company, Bruvi offers super premium, sustainably sourced craft coffee, including house brands and partnerships with the best specialty coffee roasters. Based in Los Angeles, Bruvi was founded by Sung Oh (inventor, former engineer and former patent attorney) and Mel Elias (former CEO of The Coffee Bean & Tea Leaf, investor, board member and M&A consultant) with a combined 40 years of coffee experience. Learn more at bruvi.com.

About BASF's Performance Materials division

BASF's Performance Materials division leads the transformation of the plastics industry by merging sustainability with a competitive edge. Our broad material competencies and product portfolio, backed by deep industry understanding, make us the ideal one-stop-shop. With dedicated material-focused teams and strong R&D power, we deliver industry-leading technologies and expertise to our customers worldwide. Our global network ensures a competitive advantage through superior innovations, regional proximity, and tailor-made solutions that meet local market demands. We are committed to enhancing performance and efficiency across sectors such as automotive, consumer goods, industrial applications, and construction. With BASF, our partners embark on #OurPlasticsJourney towards a more circular and sustainable future. In 2024, the Performance Materials division achieved global sales of €6.8 billion. Join #OurPlasticsJourney on LinkedIn https://on.basf.com/PM_LinkedIn and in our newsletter https://on.basf.com/PM_Newsletter. Further information at <https://www.performance-materials.basf.com>.

About BASF

At BASF, we create chemistry for a sustainable future. Our ambition: We want to be the preferred chemical company to enable our customers' green transformation. We combine economic success with environmental protection and social responsibility. Around 112,000 employees in the BASF Group contribute to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio comprises, as core businesses, the segments Chemicals, Materials, Industrial Solutions, and Nutrition & Care; our standalone businesses are bundled in the segments Surface Technologies and Agricultural Solutions. BASF generated sales of €65.3 billion in 2024. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the United States. Further information at www.basf.com.