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Polymer Resources Announces at NPE 2018 New Additions to Its Extensive Portfolio of UL Listed Resins and Blends for E/E

Orlando, Florida – Polymer Resources Ltd., a leading U.S. compounder of high-quality engineering resins, today announced at NPE 2018, in booth #S15175, that it is further expanding its already extensive portfolio of Underwriters Laboratories (UL) listed resins and blends. The company is adding a new, impact-modified polycarbonate/polybutylene terephthalate (PC/PBT) material that complies with the UL94 5VA and V-0 standards. In 2017, Polymer Resources added a flame-retardant (FR) polycarbonate/acrylonitrile styrene acrylate (PC/ASA) blend with a UL 94 V-0 rating at 1.5mm, and a 5VA rating at 3.0mm in all colors. Both products target electrical and electronics applications.

Choosing UL listed materials gives customers increased confidence that their end applications will also meet UL requirements, and accelerates the approval process. Polymer Resources continues to expand its array of UL listed grades to help customers stay ahead of changing application demands.

“While many plastics suppliers are as a whole reducing their product offerings for rationalization purposes, Polymer Resources continues to deliver additional products, including these new UL-listed grades,” said Bill Galla, vice president, Sales, Polymer Resources Ltd. “Our new PC/PBT and PC/ASA materials can help customers meet increasingly stringent requirements being driven by the trends toward thinner walls and higher temperatures in electrical and electronics applications. Our investments in new certifications and expanded testing help ensure we have the right products to meet customers’ evolving needs.”

Impact-modified PC/PBT for Demanding Applications

The new UL listed, impact-modified PC/PBT material addresses a current shortage in the market. It offers a powerful combination of chemical resistance to oil, gas and tough household cleaners; impact strength; and weatherability (resistance to UV light and moisture). The PC/PBT grade also provides a high heat deflection temperature and outstanding FR performance. Its listings under UL 94 5VA and V-0 give customers the flexibility to design both thinner- and thicker-wall geometries for their FR parts.

Target applications for this high-performance material include injection molded parts such as electrical sockets and plugs for medical applications, residential switch plates and outdoor components for fiber optic installations.

Flame Retardant PC/ASA Grade for UV-resistant Applications

In addition to holding key UL 94 flame ratings, the PC/ASA FR1 material exhibits good color stability (resistance to yellowing) under UV exposure. This property makes it a good choice for enclosures for medical and dental equipment that are exposed to high levels of indoor UV radiation. This product also provides a UV-stable substitute for flame-retardant PC/ABS (acrylonitrile-butadiene-styrene). Polymer Resources offers more than 70 UL listed materials. The new PC/PBT grade is currently available for sampling and will be commercialized in mid-2018. The PC/ASA FR1 product is commercially available now.

About Polymer Resources

Headquartered in Farmington, Conn., Polymer Resources is a leading, privately owned U.S. supplier of high-quality customized specialty engineering resin compounds, color-matching services and related materials technology solutions for the electrical, medical, consumer goods, business equipment and automotive industries. Operating with an extensive list of UL approved products it is one of very few polymer suppliers that backs its compounding and color match services with a quality guarantee. The company's commitment to customer service, financial discipline, and foresight for over 42 years has made it a reliably steady resource for specialty compounds in the often volatile plastics industry. With operations in Farmington and Rochester, N.Y., Polymer Resources continues to fuel its growth through ongoing investments in its manufacturing assets and its top industry talent. The company's direct sales force and local warehousing throughout the United States enable on-time delivery and fast, local customer service anywhere in the country. For more information, visit www.prlresins.com.

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