**Press Release**

**Low-smoke, Non-Toxic Fire Retardant Compound for Safer Unmet Needs**

Atlanta, GA, April 13, 2020: Dynamic Modifiers, LLC, a specialty polyolefin polymer compounder has introduced its **PAL...VersaCHARTM** a new state-of–the-art non-halogenated, low-smoke, light-weight compound. Flame causes char bodies to rapidly form on a compound coated surface, protecting flat or shaped under-lying surfaces against flame and noticeably delaying heat transfer, tested to 1,9500C (highest evaluated to date). The compound has passed ASTM E84 (Class A/1), which includes less than 2.3% of allowable smoke generation limits and producing no flaming drips, and able to match the stringent requirements of UL 94 V-0. Because the polyolefin is non-polar, the compound inherently tends not to support bacteria or virus growth, exampled by its wide use in the medical industry for protection. This is not a tweak like so many ideas posing as innovation, but an entirely new FR breakthrough.

In addition to the above attributes, the polyolefin compound is light-weight at 1.0 specific gravity, 100 percent non-toxic, including no heavy metals, halogens, or VOC’s. It is fully sustainable and yields advantages to gain LEED’s points in the Green Building Market. Other properties include hydrophobic (water-repellant), printable, extreme chemical resistance and able to be custom-tailored to customers specific needs; including a variety of other properties; e.g. UV, color, even glass fibers for added stiffness, toughness and tenacity etc. Best of all, the compound is reasonably priced compared to so-called performance polymers.

The **PAL...VersaCHAR** compound can be either extruded or calendered as a film, sheet, coated fabric, molded to shape, E-coat powder or over-molded and bonded to most material substrates including metal for corrosion resistance. Typical durometers range from flexible to rigid.

Separately an adhesive was created which bonds to many surfaces, including, metal, woven carbon fiber or fiberglass fabric, while providing for extraordinary char and flame protection at a reasonable cost.

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