
【Polymer Additives】

Intumescent type flame retardant "ADK STAB FP-2000 series" has got the first UL Verified Mark of functional material

UL, a global safety science organization, has issued the first UL Marketing Claim Verification and UL Verified Mark in the field of performance materials to a series of phosphorus flame retardants, "ADK STAB FP-2000 series" in May. The mark claims that the ADK STAB FP-2000 series produced 99% less smoke density and 89% less CO emissions under flaming conditions as compared to Bromide-Treated Polypropylene (PP). (<http://verify.ul.com/mark?id=A872760>)

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UL Verified Mark demonstrates that UL has verified a specific marketing claim through independent, repeatable, science-based assessments. UL's Verification provides objective credibility to the accuracy of the marketing messages by manufacturers. In the ADEKA project, UL tested two groups of samples with V-0 (1.6 mm) flammability which are prepared with PP containing the flame retardant of FP-2000 series and bromine flame retardant, respectively. The test results demonstrated that smoke generation had decreased by 99% and emission of carbon monoxide had decreased by 89% in the PP samples with FP-2000 series flame retardant as compared to the PP samples containing the brominate flame retardant. The characteristics of low smoke and CO emission highly improve safety during fire.