

# AMCL Series Flame Retardant Report

## AMCL series products acquired the highest standard of flame retardant grade : V-0

AndSolar AMCL series products are processed from a variety of high-performance flame retardant materials. Each material complies with the V-0 flame retardant grade in the U.S. UL94 standard. (UL94 flame retardant test standard is a test standard developed by Underwriters Laboratories (UL) in the United States to evaluate the flame retardant performance of materials). The adoption of this highest flame retardant standard has significantly enhanced the safety of power station equipment and personnel, greatly reduced the risk of fire, and ensured the best safety performance and reliability of the product under extreme conditions.



## Flame Retardant Grade

Flame retardant grades are graded based on their ability to burn in a flame. The flame retardant grade levels increase in sequence from HB, V-2, V-1 to V-0, with V-0 being the highest level of flame retardancy. The following are detailed testing requirements and standards for each level:

| Flame Retardant Grade | Flame Extinguishing time after two 10-second combustion tests                     | Burning Droplets |
|-----------------------|---|------------------|
| HB                    | Depending on the thickness it may not necessarily burn out within a specific time | Varied           |
| V-2                   | Extinguished within 60 seconds  | Yes              |
| V-1                   | Extinguished within 60 seconds  | No               |
| <b>V-0</b>            | <b>Extinguished within 30 seconds</b>   | <b>No</b>        |