

SOLUTIONS FOR DIELECTRIC COATINGS FOR ELECTRIC VEHICLES: SARTOMER® UV CURABLE SOLUTIONS

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Every major automotive manufacturer has announced plans for conversion to electric vehicles (EV) in the next decade and global sales of new EVs are rising significantly.

With the emergence of electric mobility, new levels of performance are required for battery-related coatings. UV-curable solutions are attracting the interest of manufacturers due to instant drying time and low energy consumption, combined with ease of application - key factors for industrial efficiency and mass production. Sprayable, UV cured, low VOC, 100% solid dielectric coatings that cure in seconds can provide comparable dielectric protection than PET films with lower thickness and no risk of delamination.

Arkema will highlight high performance Sartomer® UV curable acrylate resins and photoinitiators enabling formulators to address the challenges of this application: excellent dielectric properties, adhesion, flexibility and ease of assembly.