

HP Spectre 13 Ultrabook



Toray Performance Materials Corporation

Product Case Study

Leading the way in electronic enclosures



HP SPECTRE 13 ULTRABOOK

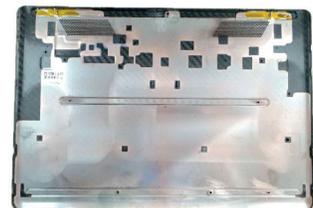
Toray Cetex® TC920 is a polycarbonate and ABS thermoplastic blend providing impact resistance, high strength, and inherent fire retardancy without secondary fillers. TC920 is supplied in laminate format where it is pressed to shape. The part is then injection overmolded to achieve the fine details for closures and brackets. This innovative design provides the benefits of composites (lightweight/high strength) while minimizing radiant heat to a users lap unlike metals.

Material: Toray Cetex® TC920

Advantages: Toray Cetex® TC920 is made of carbon, woven fabric with polycarbonate/ABS for impact resistance. TC920 meets UL-94 V0 standards without secondary fire retardant fillers. The material is both re-formable and recyclable.

Processing: Thermoformed to shape, injection over-molded for fine details like clips or brackets.

Laptop Details: The HP Spectre weighs only 1.1 kg (2.45 lbs) and is the world's thinnest laptop. Toray PMC's materials were selected for this application to achieve a lightweight, thin profile, and to dissipate heat when in operation on a user's lap. The bottom shell features extensive injection overmolding for fine details.



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