

# DuPont™ Zytel® HTN

high performance polyamide resin

## Motorcycle engine covers



### Description/Application

Covers of Piaggio's liquid coolant Low Emission Advanced Engine (LEADER) family.

### End-user/Original Equipment Manufacturer

Piaggio SpA,  
Viale Rinaldo Piaggio 25,  
56025 Pontedera (PI), Italy

### Benefits Gained from this Development

DuPont ZYTEL® HTN displays far better sound and vibration dampening characteristics than engine covers made of similar polymers. Using ZYTEL® HTN also simplifies production, saves weight and enables design freedom. Costs savings of around 25 per cent were achieved.

### Material Chosen, and Why

ZYTEL® HTN 35% glass-reinforced was chosen because of the resin's high temperature resistance and increased flex modulus, dimensional stability, rigidity and tensile strength. Also important is its excellent heat ageing characteristics and high glass transition temperature performance.

