

CPE (co-polyester)

CPE is a popular material for mechanical applications. It has the same strength as ABS but also has high tensile strength, dimensional stability, and chemical resistance. This means that CPE can be used in combination with most industrial oils and chemicals without adverse effects. CPE is odorless and emits few UFPs (ultrafine particles) and VOCs (volatile organic compounds) during printing. This makes it a safer choice than many other materials.

Note: CPE should not be used for parts exposed to high temperatures as it may deform at temperatures above 70 °C.