

Lightweight materials for aerospace

A wide range of thermoplastics and composites

Aerospace engineers have to meet the highest requirements: Aircraft have to be very light and fuel efficient but at the same time mechanically stable and absolutely safe.

Manufactured by our close partner Röchling we offer you a wide range of thermoplastics and composites designed for this demanding environment. They support you in the construction of **light, safe** and **long-lasting** aircraft.

Properties of our materials for aerospace:

- Lighter than aluminium
- Can be self-lubricating for use in dry operating conditions
- More corrosion resistant than most metals
- Will operate in temperatures from cryogenic to above 450 °C
- Flame retardant

Our materials for aerospace include:

- SUSTAPEEK (PEEK)
- SUSTATRON PPS (PPS)
- SUSTAPEI (PEI)
- SUSTAMID (PA)
- SUSTARIN (POM)
- Fluoropolymers (PVDF & PTFE)
- Durostone® (Composites)

Airbus approved materials

Our Airbus approved materials include

- SUSTAMID 6 (PA 6)
- SUSTAMID 66 (PA 66)
- SUSTAMID 66 GF30 (glass filled PA 66)

SUSTAMID 6 FR

Flame retardant PA6 for use in the aerospace industry. It is evaluated to:

- BSS 7239
- FAR 25.853 & FAR 28.855
- UL94 V0 (from 0.4 mm)

SUSTAPEEK

Made of Victrex 450G PEEK, proven material within aerospace. Tested to:

- FAR 25.853 & FAR 28.855
- AITM 3.0005 and AITM 2.0007
- UL94 V0 (from 1.5 mm)

Contact: Please contact us for additional information on our materials for aerospace.
Simply write to: sales@seplastic.com

