



ASTRONITE®

OPERATIONAL AT TEMPERATURES AS LOW AS -50 °C

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OPERATING TEMPERATURE RANGE:

The ASTRONITE® brand of elastomers from Rubberatkins is specially designed and formulated to meet the unique challenges of the space sector.

The brand itself incorporates a wide range of elastomer materials, ranging from those used in propulsion systems to profile seals that must seal at low temperatures.

ASTRONITE® is free of the typical carbon black and silica fillers (which are incompatible with certain fluids of the space sector) but retains the mechanical properties required for performance and longevity.



FEATURES

- Materials formulated with all environmental considerations in mind including particle-free material grades
- Materials are tested to ensure operation at the target temperature
- Material grades available with resistance to hydrazine-based propellants
- Resistant to oxidation and ozone ageing as well as gamma and ultra-violet radiation
- Operational at ultra low temperatures of -50 °C

TYPICAL PRODUCTS

- Fuel tank diaphragms
- Airtight seals
- Rocket engine components
- Thermal insulation
- Dampening seals
- Pressure retention seals