

PRODUCE LARGE COMPOSITE PARTS FOR LESS COST

**ARALDITE® 570 Resin /
ARADUR® 2954 Hardener
system enables you to
lower production costs of
large, infused composite
parts by up to 90%.**

One of the biggest challenges for aerospace composite part manufacturers is the high cost of tooling for large composite parts and for the autoclaves required to cure at elevated temperatures in a vacuum.

Only requiring a low temperature cure followed by a free-standing post cure, with zero risk of exotherm, ARALDITE® 570 Resin / ARADUR® 2954 Hardener system removes the need for expensive production and tooling equipment, which can reduce your investment costs by up to 90%.

ARALDITE® 570 Resin / ARADUR® 2954 Hardener system is a new, two-component, toughened epoxy resin that delivers excellent composite laminate performance with low viscosity over a long open time, enabling large composite part production across multiple processes (including RTM, VARTM, and infusion).



MADE POSSIBLE

ARALDITE® 570 RESIN /ARADUR® 2954 HARDENER SYSTEM

A two-component, toughened epoxy resin system designed for multiple infusion processes. Ideal for producing large composite parts, applications include structural components for UAVs, Advanced Air Mobility (AAM) platforms, and secondary structures.

PROPERTIES

1.15

Density, g/cm³

128°C (262°F)

T_g

80 MPa (11.6 ksi)

Tensile strength

2.7 GPa (392 ksi)

Tensile modulus

1.08

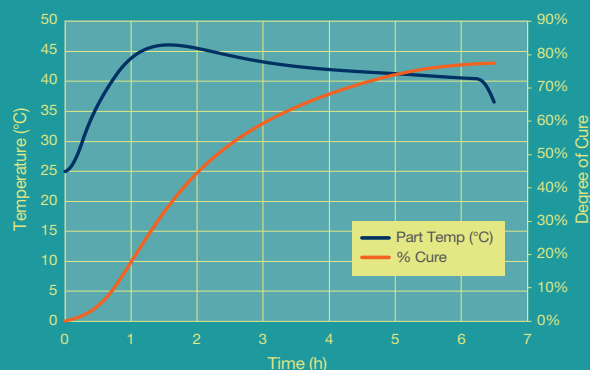
Fracture toughness, G_{IC}, J/m²

495

Fracture toughness, K_{IC}, MPa√m

PERFORMANCE

Low-temperature cure: 80% conversion at temperatures less than 50°C (122°F)



LOWER COST TOOLING



Up to 90% lower equipment investment costs

LONGER INJECTION WINDOW TIME



Viscosity < 2000 mPa.s after more than 2 hours

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