



LR1506 Ablative Prepreg

LR1506 is a composite produced from a silica filled MIL-R-9299 phenolic resin matrix on a 38 osy high silica fabric. The material is designed to meet and/or exceed the thermal and insulation requirements of the solid and liquid propulsion rockets.

Chemical Properties of LR1506

Property	Value	Test Method
Resin Solids, %		QCP-R-7
Volatile, %		QCP-V-1
Laminar Flow @ 150 psi, %		QCP-F-1
Filler Content, %		QCP-R-5
Uncured Thickness, $\times 10^{-3}$ in		QCP-T-2
Prepreg Width, in	33	

Laminate Cure

Press cured at 325° F using 1000 psi pressure for 2 hours.