

Statement of Work – Laminated Carbon-Phenolic Material Billet

The Orion CEV TPS Insight/oversight project has a requirement for a billet of laminated carbon-phenolic material. The specifications for the billet are listed below:

1. MX-4926N laminated carbon-phenolic material to conform to the NASA Ames specification TPS-0095 or equivalent (i.e. ATK STW5-12053).
2. Minimum billet size: 10 inches wide x 21 inches long x 3.1 inches thick ± 0.06 inches on all dimensions (larger billet ok)
3. 20° ply angle $\pm 7^\circ$, see sketches below for orientation (either orientation is acceptable).
4. $\pm 45^\circ$ bias tape.
5. Standard cure.

