

## Engineering Appendix: Polymer Impregnation Processing with Starfire Based Polymers

**Table 1: Polymer Impregnation of Porous Body; 30/30/30**

Operation	Pressure	Time
Load Parts into Vacuum Certified Vessel and Evacuate	<0.5 torr	30 minutes (min)
Introduce Polymer under Vacuum, Maintain Vacuum	<0.5 torr	30 minutes (min)
Backfill to Atmospheric Pressure	<0.5 torr	30 minutes (min)

**Table 2: Polymer Impregnation of Porous Body; capillary action**

Operation	Pressure	Time
Load Parts into Vacuum Certified Vessel and Evacuate	Atmospheric	---
Cover with Polymer and Soak	Atmospheric	Overnight