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Machinability of Carbon Resorcinol Formaldehyde Aerogel NICOLE PETTA, SUE CARTER, JOE FLORIO, JOSH GREGORY, ED HSIEH, DERRICK MATHEWS, BRIAN MOTTA, KATHARINE NELSON, KEITH SHILLITO, DIANA SCHROEN, Schafer Corporation, SCHAFER LABS TEAM — Resorcinol Formaldehyde (RF) foam is optically transparent due to its small pore size. It is understood that slight variations in chemistry alter this pore size. This is evident in the foam's altered opacity at lower resorcinol to catalyst (R/C) ratios. This study examines the parameters necessary to machine the carbonized material while decreasing "pull-outs" and improving surface finish.

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