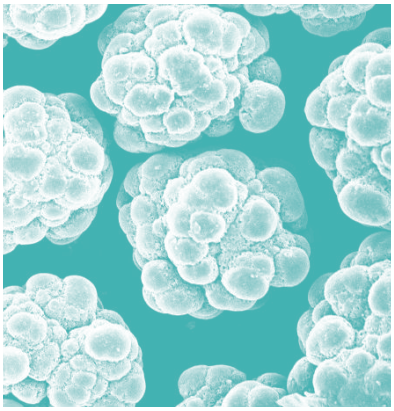
Ekonol®
Case Study #10:



Typical Chemical Resistance Properties of Ekonol®

Ekonol® has excellent chemical resistance with the exception of concentrated sulfuric acid and strong alkalis. The water absorption rate is low at 0.4% after 500 hours at 212° F (100° C).

CHEMICAL RESISTANCE OF 25% EKONOL®/ PTFE

Reagent	Temperature (30 day Exposure)	Weight Change (%)	Volume Change (%)
H_2SO_4 (95%)	175 - 195° F (79-90° C)	-24.8	0.09
HNO_3 (60%)	175 - 195 (79-90° C)	-3.6	-0.17
HCl (10%)	75 (24° C)	-0.01	0.04
HF (55%)	75 (24° C)	0.06	-0.27
AcOH (5%)	75 (24° C)	0.02	-0.49
NH_4OH (28%)	175 - 195 (79-90° C)	-26.9	-1.01
NaOH (50%)	175 - 195 (79-90° C)	-8.8	3.63
HClO (4%)	175 - 195 (79-90° C)	-8.1	-0.87
Methanol	75 (24° C)	0.01	0.25
Acetone	75 (24° C)	0.04	0.03
CCl_4	175 - 195 (79-90° C)	0.11	0.42

The chemical resistance information shown is believed to be accurate and reliable but is presented without guarantee or warranty on the part of Saint-Gobain Ceramic Materials. It is the user's responsibility to determine the suitability for Ekonol® in the application.