



TECHNICAL NOTE

PYRO-PUTTY 950 – CHEMICAL RESISTANCE

Samples of Pyro-Putty 950 that were (A) uncured, (B) heat cured, (C) chemically cured, were immersed for eight hours in various solvents at 70 deg F and in various acids at both 70 and 170 deg F. The samples were then evaluated for softening or chemical attack.

Solvent	A – Cured	B- Heat Cured	C – Chemically Cured
1. Perchloroethylene	Poor	Excellent	Excellent
2. Methylene Ketone	Poor	Excellent	Excellent
3. Toluene	Fair	Excellent	Excellent
4. Toluol	Fair	Excellent	Excellent
5. Acetone	Fair	Excellent	Excellent
6. Mineral Spirits	Fair	Excellent	Excellent
7. Methanol	Good	Excellent	Excellent
Acid	70/170F	70/170F	70/170F
1. Conc. HCl	Poor/Not Run	Excellent/Excellent	Excellent/Excellent
2. Conc. HNO ₃	Excellent/Poor	Excellent/Fair	Excellent/Poor
3. Conc. H ₂ SO ₄	Excellent/Fair	Excellent/Fair	Excellent/Fair
4. 52% HF	Poor/Not Run	Excellent/Excellent	Excellent/Excellent

Explanation of Ratings

Solvents		Acids	
Poor	Softening of sample, swelling	Poor	Severe attack
Fair	Slight softening, no swelling	Fair	Surface oxidation, sample intact
Good	Very slight surface softening	Excellent	No effect
Excellent	No effect		