



# Chemical Compatibility Testing

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Page 2

Materials	Discoloration	Texture	Blistering	Soft/Harder	Swelling	Hours Test	Comments
<b>Black-XS-100</b>							
27. Phosphoric Acid 100%						48	Excellent
28. Mineral Spirits						48	Excellent
29. Sea Water						48	Excellent
30. Sodium Hydroxide 10%						48	Good
31. Hydrogen Peroxide 10%				Softer		48	Good
32. Lactic Acid 45%	Yes	Different				48	Fair
33. Sugar Solution 30%						48	Excellent
34. Ethylene Glycol						48	Excellent
35. Sodium Sulfate 30%						48	Excellent
36. Sodium Sulfate 20%						48	Excellent
37. Sodium Chloride 30%						48	Good
38. Tannic Acid 40%	Yes			Softer		48	Fair
39. Boric Acid 3%	Yes					48	Good
40. Isopropyl Alcohol		flexible		Much softer	Yes	48	Fair ***see note
41. Calcium Chloride 50%						48	Excellent
42. Chrome Acid 10%	Yes					48	Failed
43. Alcohol (Rubbing)		flexible		Softer		48	Fair
44. Saline Solution 30%				a bit harder		48	Good
45. Club Soda						48	Excellent
46. Baking Soda 25%						48	Excellent
47. Cream Soda (pop)						48	Excellent
48. Automotive Gasoline				Harder	Yes	48	Fair ***see note
49. Diesel Fuel	Yes				Yes	48	Fair
50. Automotive Oil						48	Good
**Swelling-some discoloration, check again in a few hours and the parts seemed to be fine..no swelling, color was good.							