Polly Boot

CHEMICAL, OIL AND SOLVENT RESISTANCE OF POLYURETHANE BOOTS

	Chemicals	Percent Change
1	Acetone	*36% >*
2	Acetic acid (%99 ±1)	*36% >*
3	Ammonium solution (%25 ±1)	*0 - 3%*
4	Boron oil	*0 - 3%*
5	Di ethylene glycol	*4 - 15%*
6	Ethanol	*16 - 35%*
7	Ethylene glycol	*4 - 15%*
8	Ethyl acetate	*36% >*
9	Formic acid	*36% >*
10	HCl Hydrochloric acid (% 32)	*36% >*
11	Hydrogen peroxide (% 30 ±1)	*4 - 15%*
12	hydrogen peroxide (% 50 ±1)	*36% >*
13	Isopropanol	*16 - 35%*
14	Liquid Soap	*4 - 15%*
15	Methanol	*16 - 35%*
16	Methyl ethyl ketone	*36% >*
17	Methylene Chloride	*36% >*
18	Motor oil	*0 - 3%*
19	Nitric acid $HNO3_3$ (%10)	*36% >*
20	Nitric acid (% 65 ±3)	*36% >*
21	nhexane	*0 - 3%*
22	n-Heptane	*0 - 3%*
23	Olive Oil	*0 - 3%*
24	Saturated salt solution	*4 - 15%*
25	Saturated sugar solution	*4 - 15%*
26	Polydimethylsiloxane (PDSM)	*0 - 3%*
27	Sodium hypochloride (% 6 - % 14)	*0 - 3%*
28	Sodium hydroxide (% 30)	*0 - 3%*
29	Sulphuric acid H_2SO_4 (% 50)	*36% >*
30	Sulphuric acid (% 95 ±1)	*36% >*
31	Toluene	*36% >*
32	Dilute acetic acid	*16 - 35%*

Tests have been conducted, leaving the samples immersed for seven days at room temperature.

The rating is based on the volume change in percentage.