

ESLON-DC Polycarbonate PH 407 AS Hard Coat / PH 427 AS Hard Coat Chemical Resistance

CHEMICALS	Methods	A	B
	Content (%)		
Hydrofluoric acid	20	+	+
Hydrochloric acid	20	+	+
Sulfuric acid	50	+	+
Nitric acid	20	+	+
Phosphoric acid	85	+	+
Acetic acid	10	+	+
Caustic soda	30	-	-
Caustic potash	30	-	-
Hydrogenperoxide	30	+	+
Ammoniumfluoride	sat.	-	+
Pottasium chloride	sat.	+	+
Sodium chloride	sat.	+	+
Ammonia	100	+	-
Alcohols (Methyl, Ethyl)	100	+	+
Isopropyl alcohol (+)	100	+	+
Ketones (acetone, MEK)	100	-	+
Aromatics (benzene, toluene)	100	-	+
Esters (ethyl acetate, butyl acetate)	100	-	+
Halogens (Methylene chloride)	100	-	+
Formalin	100	+	+
Freon (TES)	30	+	+
Water	100	+	+
Washing-up liquid (*)	-	+	+
Glass cleaner (*)	-	+	+

Description of the methods:

Method A: Imersion condition: 72 hours (23°C room temperature)

Method B: Applying of 5ml liquid and 12 hours of imersion

Result:

- + : not affected
- : surface whitening and/or swelling of the base material

Remarks:

(+) especially recommended cleaning solution

(*) composition of washing-up liquid:

15-30% anionic tensides, nonionic tensides: 5-15%, less than 5% amphoteric tensides

(*) composition of glass-cleaner:

less than 5% anionic tensides, nonionic tensides, amphoteric tensides

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