

Chemical Resistance Brawo I and BRAWO III

Date: 25.11.2005

Medium	72 h	4 weeks	6 months	12 months
Acetone	-	-	-	-
Formic acid 3 %	+	+	o	o
Ammonia 25 %	+	+	+	+
Calcium chloride dilution 20 %	+	+	+	+
Chromium acid 10 %	+	+	+	+
Citric acid 5 %	+	+	+	+
Jet fuel Jet A1 (BPG 2.3)	+	+	+	+
Iron (II) sulphate dilution 10 %	+	+	+	+
Acetic acid 5 %	+	+	o	o
Acetic acid 10 % (BPG 9)	+	+	o	-
Ethyl acetate	+	o	-	-
Ethylene glycol	+	+	+	o
FAM-fuel DIN 51604 A	+	o	o	o
Hydrofluoric acid 5 %	+	o	o	o
Formaldehyde 35 % (BPG 8)	+	+	+	+
Caustic potash 45 %	+	+	+	+
Potassium nitrate dilution 20 %	+	+	+	+
Methanol (BPG 5a)	o	-	-	-
Lactic acid 10 %	+	+	o	o
Engine oil	+	+	+	+
Sodium chloride silution 20 % (BPG 12)	+	+	+	+

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Sodium chloride dilution 30 %	+	+	+	+
Caustic soda 20 % (BPG 11)	+	+	+	+
Caustic soda 45 %	+	+	+	+
Sodium hypochlorite dilution 10 % aktive chlorine	+	+	+	+
Oxalic acid 5 %	+	+	+	+
Oxalic acid 10 %	+	+	+	+
Phosphoric acid 10 %	+	+	+	0
Test alloy BPG 4a	+	+	+	+
Test alloy A 20/NP II (jetfuel) (BPG 3)	+	+	+	+
Test alloy see benzene (BPG 1)	+	+	+	+
Nitric acid 5 %	+	0	0	0
Nitric acid 10 %	0	-	-	-
Hydrochloric acid 10 %	+	+	+	+
Hydrochloric acid 20 %	+	+	+	0
Sulfuric acid 20 % (BPG 10)	+	+	+	+
Sulfuric acid 32 % (battery acid)	+	+	+	+
Sulfuric acid 50 %	+	+	0	0
Water, distilled	+	+	+	+
Hydrogen peroxide 10%	+	+	+	+
Tartaric acid 10 %	+	+	+	+

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Medium	72 h	4 weeks	6 months	12 months
48 % methanol 48 % propanol (BPG 5) 4 % H ₂ O	+	o	o	-
60 % Toluene 30 % Xylene (BPG 4) 10 % Methylnaphthaline	+	o	o	o

Rating

- +** = **resistant**
- o** = **conditionally resistant**
- = **not resistant**
- ()** = **resistant alternatively conditionally resistant but changes for example color or strength**

According to DIN 53393.