

**Chemical Resistance Print Comparison
using a Datamax M 4208 Flat Head Printer
on a white semi gloss finish Polypropylene Substrate**

Ribbon Quality	T050	T016	T088	T086
Organic Liquids	Print Energy 30 - Print Speed 50.8mm/s			
Toluene, C ₆ H ₅ CH ₃	0	0	0	2
Methyl Ethyl Ketone(MEK), C ₄ H ₈ O	0	0	0	0
Methanol, CH ₃ OH	0	7	9	9
denat. Ethanol (IMS), C ₂ H ₅ OH	0	10	8	9
Iso Propyl Alcohol (IPA), C ₃ H ₇ OH	0	10	9	10
Naphtalene, C ₁₀ H ₈ O	0	0	9	9
Dichloromethane, CH ₂ Cl ₂	0	0	0	0
Ethyl Acetate, C ₄ H ₈ O ₂	0	0	0	0
Inorganic Liquids				
Sodium Hydroxide, NaOH, 40% Solution	10	10	10	10
Tap Water, 5.13 GD Hardness, pH 6.5-9.5	10	10	10	10
Automotive Liquids				
Petrol, unleaded ROZ 95	4	0	2	9
Diesel (EN 590)	10	10	10	10
Petroleum Ether (120°C)	10	10	10	10
Brake Fluid DOT 4	0	0	9	9
Hydraulic Oil (ISO 6743-4 Mineral Oil)	10	10	10	10
Engine Oil, Mineral 10W40	10	10	10	10
Power Steering Fluid, Hydraulic ISO 32	10	10	10	10
Transmission Fluid ATF	10	10	10	10
Engine Coolant, ASTM D3306, pink	10	10	10	10
Windscreen Wash, blue with Ethylen Glycol	10	10	10	10
Food Liquids				
animal Lard Oil	10	10	10	10
organic Rapeseed Oil	10	10	10	10
Total Score	124	147	166	177
Overall Resistance Rating	56/100	67/100	75/100	80/100

These tests are performed using standard Pelikan test methods and the features mentioned should be used as guidelines only and not taken as a guarantee. Users are requested to assess the suitability for their own use.

Storage Conditions

Product shelf life has been proven through age testing up to 24 months under the following conditions:
Out of direct sunlight, stored between temperatures of 5°C to 35°C in dry conditions

A material safety datasheet or certificate is available on request.

T016 is  certified,  BS5609 certified and  LISTED

These qualities are in compliance with

