

MAUNT®

M00002165

Cleaning fluid, Type HP, 0.95ltr, Polywater



Description

Type HP is a solvent-based cleaner and degreaser for removing semiconductive cable screen material, anti-corrosion compound, silicone grease, filling gel, transformer oil and other contaminants. It is used in the preparation of cable joints and cable terminations and for cleaning electrical equipment. Type HP evaporates completely without residue and is non-conductive. It evaporates more slowly than fast-evaporating solvents. The product is compatible with most plastics and rubbers; some rubbers may swell temporarily and return to their original state after evaporation. Type HP works at room temperature and does not freeze, so it can also be used at low temperatures.

Brand

Polywater



Technical specifications

Dielectric strength (ASTM D877, 2.5 mm gap)	>40 kV
Evaporation rate	Medium
Residue (ASTM D2369)	<100 ppm
Physical compatibility (XLPE, EPDM, silicone rubber)	Compliant (IEEE 1493)
Volume resistivity insulation screen (XLPE)	Compliant (IEEE 1493)
Stress cracking polycarbonate	None; resists >0.9% strain after 15 min immersion
Copper corrosion (ASTM D130)	No attack or discoloration
Drying time without aid	60–90 min
Drying time with drying cloth	1–2 min
Drying time with cool air	3–5 min
Drying time with warm air	2–3 min

Dissolving power (per 20 g of cleaner, at ambient temperature)

Contaminant	Amount dissolved
PCBs (Aroclor 1260)	10 g
Cutting oil (Rigid Nu-Clear, sulphurised oil)	10 g
Silicone grease (Dow Corning 4 Compound)	2 g
Animal oil (lanolin, technical grade)	2 g



Material compatibility (72 hours immersion at 50 °C, ASTM D543)

Material	Weight change	Appearance
ABS	+0.04%	No change
Acrylic	-0.01%	No change
Delrin®	+0.03%	No change
Epoxy	0.00%	No change
Nylon 66	-0.02%	No change
Nylon 101	+0.07%	No change
Polycarbonate	+0.04%	No change
Phenolic resin	-0.05%	No change
PPO	+0.02%	No change
PVC	+0.01%	No change
Teflon®	+0.03%	No change
Tygon®	-0.25%	No change
Ultem® 1000	-0.01%	No change
Valox® 420	0.00%	No change
Neoprene	+9.31%	Slight swelling
Nitrile	-2.01%	No change
SBR	+47.34%	Swelling
Viton®	+0.07%	No change

Physical specifications

Composition	High-purity, dearomatised aliphatic hydrocarbon with cyclic terpene
Physical state	Liquid
Colour	Colourless
Odour	Citrus
Content	0.95 l
Packaging	Bottle with flip-top cap
Flash point (ASTM D93)	>60 °C
Initial boiling point	185 °C
Specific gravity	0.79
Kinematic viscosity	1.3–2.5 cSt at 20 °C
Vapour pressure	<134 Pa at 20 °C
Water content	<50 ppm
Aromatic content	<1%



Classification codes and standards

Standards

Meets IEEE 1493 performance criteria

Fire safety

Combustible, not highly flammable

Environmental/substance compliance

Contains no chlorinated solvents and no carcinogenic substances; biodegradable; no ozone depletion potential; contains no greenhouse gases

VOC content

790 g/l

CLP classification (EC 1272/2008)

Danger; GHS07, GHS08; H304, H317, EUH066 (see safety data sheet)

RCRA / CERCLA / SARA (USA)

Not regulated as hazardous waste or hazardous substance