



Elan-tron[®]

Electronic and Engineering Materials

Components Componenti

EMC filters
Filtri antidisturbo

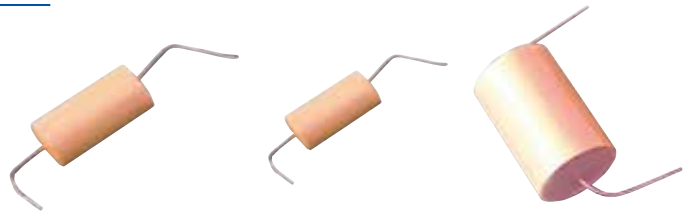
Capacitors
Condensatori

Power semiconductors
Semiconduttori di potenza

LED display
LED display



Elan-tron® PU 4130 FR / PH 4900	Self-extinguishing acc. UL 94, UL-approved, Tough-elastic moulding polyurethane system. <i>Sistema bicomponente Poliuretano, omologato UL 94, elastico e compatto, temperatura esercizio fino 130°C.</i>
Elan-tron® MC 62 / W 363	Two component filled epoxy system, room temperature curing, UL listed with HAI, HWI, operating temperature 155°C. <i>Sistema bicomponente epossidico caricato-indurimento a temperatura ambiente omologato UL con HAI e HWI, temperatura esercizio fino 155°C.</i>
Elan-tron® MC 41 / WH 441	Two component filled Epoxy system, hot temperature curing, UL listed, high thermal stability and resistance (180°C). <i>Sistema bicomponente epossidico caricato, indurimento a caldo, omologato UL, alta stabilità e resistenza termica (180°C).</i>
Elan-tron® PU 525 / PH 27	Two component Polyurethane system, UL listed - Thermal conductivity 0,85 W/m ² K, operating temperature till 130°C. <i>Sistema bicomponente Poliuretano, omologato UL; conducibilità termica 0,85 W/m²K, temperatura esercizio fino 130°C.</i>
Elan-tron® PU 746 / PH 231	Two component Polyurethane system, RT curing, semi-transparent, very soft. Operation temperature till 130°C. <i>Sistema poliuretano bicomponente, semitrasparente, molto morbido. Temperatura di esercizio fino a 130°C.</i>
Elan-tron® PU 4147 FR / PH 4920	Two component semi-rigid PU system, high thermal conductivity (0,7 W/mK), UL recognised (UL 94 V0), RTI = 120 (UL 746 B). <i>Sistema bicomponente poliuretano, alta conducibilità termica (0,7 W/m²K), UL 94 V0, RTI = 120°C (UL 746 B).</i>
Elan-tron® PU 4264 FR / PH 4920	Two component, tough-elastic PU system, UL recognised (UL 94 V0), maximum operation temperature 130 °C. <i>Sistema bicomponente poliuretano, elastico compatto, UL 94 V0, massima temperatura di esercizio di 130°C.</i>
Elan-tron® PU 4440 / PH 4900	Two component elastic PU system, low viscosity, UL recognised (UL 94 HB), max. operation temperature 130 °C. <i>Sistema bicomponente poliuretano, bassa viscosità, omologato UL, max temp esercizio di 130°C.</i>



Electronic protection Protezione elettronica

Automotive electronic
Elektronica per auto

Sensors and Actuators
Sensori ed Attuatori

Safety devices
Dispositivi sicurezza

Central Locks and Alarms
Chiusure centralizzate e allarmi



Elan-tron® PU 314 / PH 114	Two component filled polyurethane, listed UL 94 V0, flexible till -30°C. Max operating temperature 140°C. <i>Sistema poliuretano bicomponente, omologato UL 94 V0, flessibile fino a -30°C, temperatura max esercizio 140°C.</i>
Elan-tron® PU 311 / PH 27	Two component Polyurethane system, very flowable, room temperature curing. UL listed. Service temperature till 120°C. <i>Sistema bicomponente Poliuretano, fluido. Indurimento a TA. Omologato UL. Temperatura di esercizio fino 120°C.</i>
Elan-tron® PU 312 / PH 27	Two component Polyurethane system, very flowable, fast curing. UL listed. Service temperature till 120°C. <i>Sistema bicomponente Poliuretano, fluido. Rapido indurimento a TA. Omologato UL. Temperatura di esercizio fino 120°C.</i>
Elan-tron® PU 430 / PH 30	Two component filled, very flexible polyurethane system, flame-retardant, 125° operating temperature. <i>Sistema bicomponente poliuretano, molto flessibile, autoestinguente, temperatura di esercizio fino a 125°C.</i>
Elan-tron® PU H 04003 / PH 04003	Two component, black, filled polyurethane system suitable for use at Class B temperature. <i>Sistema bicomponente poliuretano, caricato, nero, per applicazioni fino a 130°C.</i>
Elan-tron® PU 04106 / PH 04106	Two component, black, semi-flexible, room temperature curing polyurethane system. <i>Sistema bicomponente poliuretano, semi flessibile, nero, indurimento a temperatura ambiente.</i>



Assemblies Assemblaggi

Wire harness
Terminazione di cavi

Battery potting
Sigillatura di batterie

Relays
Relays

OLED sealants
Sigillatura LDC e Pannelli OLED

Cable joints
Giunzione cavi

Connectors
Sigillatura connettori



Elan-tron®
MC 5 / W 09
Two component filled Epoxy system, room temperature curing, with high mechanical characteristics.
Sistema bicomponente epossidico caricato, indurimento a temperatura ambiente. Alta resistenza meccanica.

Elan-tron®
PU 525 / PH 27
Two component Polyurethane system, UL listed - Thermal conductivity 0,85 W/m²K, operating temperature till 130°C.
Sistema bicomponente Poliuretano -indurimento a temperatura ambiente omologato UI-Temperatura esercizio fino 130°C. Semirigido.

Elan-tron®
PU 501 / PH 27
Two component filled Polyurethane system, RT curing, UL listed. Operating temperature 130°C. Available in different reactivities.
Sistema poliuretano caricato, indurimento a TA, listato UL. Temperatura di esercizio di 130°C. Disponibile in varie reattività.

Elan-tron®
EC 818 / W 818
Two component unfilled Epoxy system, fast curing at room temperature.
Sistema epossidico bicomponente, non caricato, rapido indurimento a temperatura ambiente.

Elan-tron®
MC 4260 / W 4260
Two component, black, filled epoxy system, suitable for use at Class H temperatures.
Sistema bicomponente epossidico, caricato, temperatura di esercizio fino a 180°C.

Elan-tron®
PU 468 / PH 2
Two component unfilled Polyurethane system, flowable, RT curing. Service temperature till 130°C.
Sistema bicomponente Poliuretano non caricato, indurimento a temperatura ambiente. Temperatura esercizio fino 130°C.

Elan-tron®
PU 1645 / PH 4900
Two component filled PU system, room temperature curing, low viscosity, maximum operation temperature 130°C.
Sistema poliuretano bicomponente, indurimento a TA, bassa viscosità, temperatura di esercizio fino a 130°C.

Elan-tron®
PU 450 / PH 330
Two component unfilled Polyurethane system, tixotropic, RT curing. Very flexible.
Sistema poliuretano bicomponente, tixotropico, indurimento a TA. Molto flessibile.

Elan-tron®
PU 4264 FR / PH 4920
Two component, tough-elastic PU system, UL recognised (UL 94 V0), maximum operation temperature 130 °C.
Sistema bicomponente poliuretano, elastico compatto, UL 94 V0, massima temperatura di esercizio di 130°C.

Elan-tron®
PU 4204 / PH 4900
Two component semi-rigid unfilled PU system, low viscosity, maximum operation temperature 130 °C.
Sistema poliuretano non caricato, fluido, massima temperatura di esercizio fino a 130°C.

Elan-tron®
PU 4310 UVS/PH 4970 CT
Two component clear-transparent semi rigid PU system, UV radiation resistant, maximum operation temperature 120 °C.
Sistema bicomponente poliuretano, semi-rigido e trasparente, resistente agli UV, max temperatura esercizio 120°C.

Ignition coils Bobine di accensione

Automotive 4 Wheelers
Automobili

2 Wheelers
Motocicli

Non Automotive
Piccoli motori a scoppio



Elan-tron®
MC 23 / WH 23
Two component filled Epoxy system, hot temperature curing, semi-rigid.
Sistema bicomponente epossidico caricato-indurimento ad alta temperatura, semi-rigido.

Elan-tron®
MC 240 / WH 24
Two component filled Epoxy system, hot temperature curing. Very high thermal stability and resistance.
Sistema bicomponente epossidico caricato con indurimento ad alta temperatura. Eccellente stabilità e resistenza termica.

Elan-tron®
EC 240 / WH 240
Two component unfilled Epoxy system, hot temperature curing. High thermal shock resistance.
Sistema bicomponente epossidico non caricato, indurimento ad alta temperatura. Alta resistenza agli shock termici.



Inductive Components Componenti induttivi

PCB transformers

Trasformatori per circuito stampato

Low Voltage Transformers

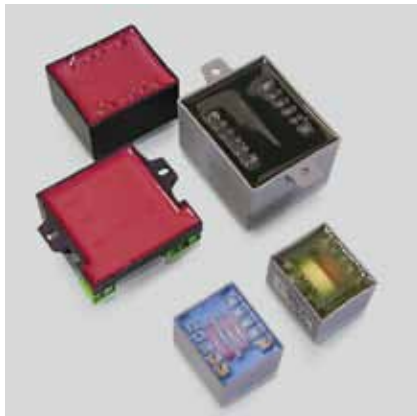
Trasformatori di bassa tensione e induttanze

Lighting transformers

Trasformatori e Ballast per illuminotecnica

Electromagnetic devices

Dispositivi elettromeccanici



Elan-tron®
MC 28.1 / W 228.1

Two component filled Epoxy system, room temperature curing, UL listed, operation temperature till 130°C.
Sistema epossidico caricato, fluido, omologato UL. Temperatura di esercizio fino a 130°C.

Elan-tron®
PU 501 / PH 27

Two component filled Polyurethane system, RT curing, UL listed. Operating temperature 130°C. Available in different reactivities.
Sistema poliuretano caricato, indurimento a TA, listato UL. Temperatura di esercizio di 130°C. Disponibile in varie reattività.

Elan-tron®
MC 4260 / W 4260

Two component, black, filled epoxy system, suitable for use at Class H temperatures.
Sistema bicomponente epossidico, caricato, temperatura di esercizio fino a 180°C.

Elan-tron®
PU 311 / PH 27

Two component Polyurethane system, very flowable, room temperature curing, UL listed. Service temperature till 120°C.
Sistema bicomponente Poliuretano, fluido. Indurimento a TA. Omologato UL. Temperatura di esercizio fino 120°C.

Elan-tron®
MC 18 HT / WH 180 HT

Two component filled Epoxy system, hot temperature curing, UL listed, semirigid. Service temperature till 155°C.
Sistema epossidico bicomponente, caricato, indurimento ad alta temperatura. Semirigido, omologato UL. Temperatura di esercizio fino 155°C.

Elan-tron®
EC 107 / W 107

Two component unfilled Epoxy system, room temperature curing, very low viscosity.
Sistema bicomponente epossidico non caricato, molto fluido, indurimento a temperatura ambiente.

Elan-tron®
MC 26 / W 63

Two component filled Epoxy system-room temperature curing, UL listed - Service temperature till 130°C.
Sistema bicomponente epossidico caricato-indurimento a temperatura ambiente omologato UL-Temperatura esercizio fino 130°C.

Elan-tron®
MC 62 / W 363

Two component filled epoxy system, room temperature curing, UL listed with HAI, HWI, operating temperature 155°C.
Sistema bicomponente epossidico caricato-indurimento a temperatura ambiente omologato UL con HAI e HWI, temperatura esercizio fino 155°C.

Elan-tron®
PU 4440 / PH 4900

Two component elastic PU system, low viscosity, UL recognised (UL 94 HB), maximum operation temperature 130°C.
Sistema bicomponente poliuretano, bassa viscosità, omologato UL, max temperatura esercizio di 130°C.

Elan-tron®
MC 5 / W 63

Two component filled Epoxy system, room temperature curing, with high mechanical characteristics.
Sistema bicomponente epossidico caricato, indurimento a temperatura ambiente. Alta resistenza meccanica.

Elan-tron®
MC 35.1 / W 21

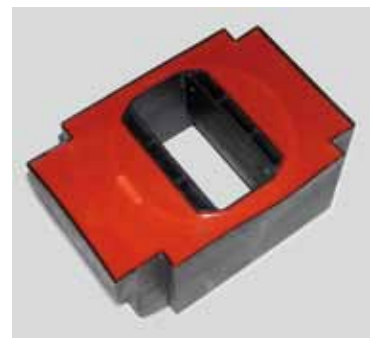
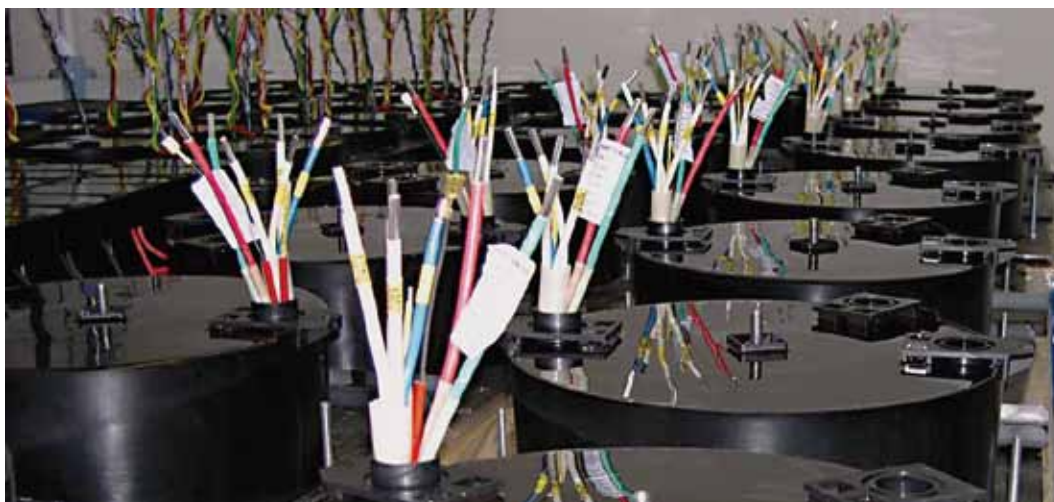
Two component filled Epoxy system, room temperature curing. Operating temperature 155°C.
Sistema bicomponente epossidico caricato, indurimento a temperatura ambiente. Temperatura max di esercizio di 155°C.

Elan-tron®
PU 4254 HV / PH 4900

Two component semi-rigid PU system, UL recognised (UL 94 V0), elevated hydrolysis stability, maximum operation temperature 130 °C.
Sistema bicomponente poliuretano, omologato UL, alta resistenza all'idrolisi, massima temperatura esercizio 130°C.

Elan-tron®
PU 4264 FR / PH 4920

Two component, tough-elastic PU system, UL recognised (UL 94 V0), maximum operation temperature 130°C.
Sistema bicomponente poliuretano, elastico compatto, UL 94 V0, massima temperatura di esercizio di 130°C.



Heavy electric Apparecchiature di potenza

Dry type and Resin-casted transformers
Trasformatori a secco e in resina

Instrument transformers
Trasformatori di misura

Insulator and bushing
Motori e generatori

Motors and generators
Motori e generatori

Switchgears
Interruttori di potenza

Outdoor devices
Dispositivi per esterni



Elan-tron® EC 021 / WH 021	Two component unfilled Epoxy system-hot temperature curing. UL listed - Service temperature till 155°C. <i>Sistema bicomponente epossidico non caricato-indurimento ad alta temperatura omologato UL-Temperatura esercizio fino 155°C.</i>
Elan-tron® MC 111 / WH 111	Two component filled Epoxy system-hot temperature curing. - Service temperature till 155°C. <i>Sistema bicomponente epossidico caricato-indurimento ad alta temperatura -Temperatura esercizio fino 155°C.</i>
Elan-tron® MC 115HT / WH 115 HT	Two component filled Epoxy system, hot temperature curing. UL listed, operating temperature till 200°C. <i>Sistema bicomponente epossidico caricato, indurimento ad alta temperatura omologato UL, temperatura di esercizio: 200°C.</i>
Elan-tron® EC 015 / WH 015	Two component unfilled Epoxy system-hot temperature curing. UL listed - Service temperature till 155°C. <i>Sistema bicomponente epossidico non caricato caricato-indurimento ad alta temperatura omologato UL-Temperatura esercizio fino 155°C.</i>
Elan-tron® EC 5238 /WH 5238	Two component unfilled Epoxy system-hot temperature curing. UL listed - Service temperature till 180°C. <i>Sistema bicomponente epossidico non caricato caricato-indurimento ad alta temperatura omologato UL-Temperatura esercizio fino 180°C.</i>
Elan-tron® MC 126 / WH 126	Two component filled Epoxy system, hot temperature curing. Outdoor application. Service temperature till 155°C. <i>Sistema bicomponente epossidico caricato, indurimento a caldo. Per applicazione in ambiente esterno. Temperatura esercizio fino 155°C.</i>
Elan-tron® EC 443 / WH 442	Two component unfilled Epoxy system, hot temperature curing. Outdoor application. Service temperature till 155°C. <i>Sistema bicomponente epossidico non caricato, indurimento a caldo. Per applicazione in ambiente esterno. Temperatura esercizio fino 155°C.</i>
Elan-tron® PU 4248 / PH 4920	Two component rigid PU system, room temperature curing, low viscosity, elevated thermomechanical stability. <i>Sistema poliuretano bicomponente, indurimento a temperatura ambiente, alta stabilità termomeccanica.</i>

Small coils and Motors Piccoli avvolgimenti e motori

Power Tools
Elettrotensili di potenza

Automotive EPS
EPS e Generatori

Solenoid Valves and Pumps
Elettrovalvole e pompe



Elan-tron® MC 62 / W 363	Two component filled epoxy system, room temperature curing, UL listed with HAI, HWI, operating temperature 155°C. <i>Sistema bicomponente epossidico caricato-indurimento a temperatura ambiente omologato UL con HAI e HWI, temperatura esercizio fino 155°C.</i>
Elan-tron® MC 115 HT / WH 115 HT	Two component filled Epoxy system, hot temperature curing. Service temperature till 180°C. High mechanical resistance. <i>Sistema epossidico caricato, indurimento a caldo. Temperatura di max esercizio di 180°C. Alta resistenza meccanica.</i>
Elan-tron® PU 04595 / PH 04595	Two component filled Polyurethane system, room temperature curing. UL listed. Service temperature till 130°C. <i>Sistema Poliuretano caricato, indurimento a temperatura ambiente, omologato UL. Temperatura di esercizio fino 130°C.</i>
Elan-tron® MC 213 / WH 013	Two component filled Epoxy system, hot temperature curing. Semi-rigid. UL listed. Operating temperature till 155°C. <i>Sistema bicomponente epossidico caricato, indurimento a caldo-Semi-rigido. Omologato UL. Classe temperatura F (155°C).</i>
Elan-tron® MC 3 / W 103	Two component filled Epoxy system, room temperature curing, with high mechanical characteristics. <i>Sistema bicomponente epossidico caricato, indurimento a temperatura ambiente. Alta resistenza meccanica.</i>
Elan-tron® MC 28.1 / W 228.1	Two component filled Epoxy system, room temperature curing, UL listed, operation temperature till 130°C. <i>Sistema epossidico caricato, fluido, omologato UL. Temperatura di esercizio fino a 130°C.</i>
Elan-tron® PU 501 / PH 27	Two component filled Polyurethane system, RT curing, UL listed. Operating temperature 130°C. Available in different reactivities. <i>Sistema poliuretano caricato, indurimento a TA, listato UL. Temperatura di esercizio di 130°C. Disponibile in varie reattività.</i>
Elan-tron® PU 525 / PH 27	Two component Polyurethane system, UL listed - Thermal conductivity 0,85 W/m²K, operating temperature till 130°C. <i>Sistema bicomponente Poliuretano -indurimento a temperatura ambiente omologato UL-Temperatura esercizio fino 130°C.</i>
Elan-tron® PU 4254 LV FR / PH 4900	Two component semi-rigid PU system, low viscosity, elevated hydrolysis stability, maximum operation temperature 130 °C. Available as UL listed. <i>Sistema poliuretano semi-rigido, fluido, basso assorbimento d'acqua, temperatura max esercizio di 130°C. Disponibile in versione UL.</i>
Elan-tron® PU 4264 FR / PH 4920	Two component, tough-elastic PU system, UL recognised (UL 94 V0), maximum operation temperature 130 °C. <i>Sistema bicomponente poliuretano, elastico compatto, UL 94 V0, massima temperatura di esercizio di 130°C.</i>
Elan-tron® PU 4204 / PH 4900	Two component semi-rigid unfilled Pu system, low viscosity, maximum operation temperature 130 °C. <i>Sistema poliuretano non caricato, fluido, massima temperatura di esercizio fino a 130°C.</i>

Structural Adhesives Adesivi Strutturali

(ADH version available in cartridges)

	ASPECT	MIX RATIO by weight MIX RATIO by volume	POT LIFE (100ml, RT) minutes	HANDLING TIME (25°C)	SUGGESTED CURING CYCLE (*)	Tg°C MAX	SHEAR STRENGTH (N/mm ²) =MPa
2- COMPONENT SYSTEMS - COLD OR MT CURING							
AS52/AW12 (ADH52.12)	Fluid Trasparent Light yellow	100:100 100:100	5-6	20 min	24 h 25°C or more	50	11-13 Alluminium 11-13 Stainless Steel
AS53/AW11	Fluid Trasparent Colourless	100:100 100:100	2-3	20 min	24 h 25°C or more	50	9-11 Alluminium 11-13 Stainless Steel
AS88/AW11 (ADH88.11)	Thixotropic Milky	100:100 100:100	2-3	20 min	24 h 25°C or more	50	11-13 Alluminium 15-17 Stainless Steel
AS44/AW09	Light thixo Amber	100:80 100:100	40-50	7 h	RT+6 h 80°C	70	21-26 Alluminium 20-25 Stainless Steel
AS89/AW09 (ADH89.09)	Thixotropic Amber	100:80 100:100	25-40	7 h	RT+6 h 80°C	70	14-16 Alluminium 11-13 Stainless Steel
AS90/AW42 (ADH90.42)	Heavy thixo Milky	100:80 100:100	30-45	7 h	RT+6 h 80°C	70	30-37 Alluminium 17-21 Stainless Steel
AS89/AW89 (ADH89.89)	Thixotropic Black Contrasting colours	100:45 100:50	20-30	4 h	2 h 80°C	90	27-33 Alluminium 37-33 Stainless Steel
AS90/AW90 (ADH90.90)	Thixotropic Light contrasting colours No sag till 10 mm	100:45 100:50	10-15	3 h	7 days at RT or 5 h 70°C	75	22 Epoxy Laminates >12 Polyestere Laminates
AS90/AW91 (ADH90.91)			35-45	6 h		80	
AS90/AW92			60-80	11 h		80	
AS45/AW45	Filled Thixotropic Dark grey Contrasting colours	100:40+50 100:43+53	20-30	4 h	RT+6 h 80°C	100	8-11 Alluminium 37-33 Stainless Steel
AS50/AW50 (ADH50.50)	Filled Heavy thixo Dark grey Contrasting colours	100:50 100:50	20-30	2 h	RT+6 h 80°C	105	>8 Polyestere 10 Epoxy Laminates
PC36L/G30	Filled PU Thixotropic Yellow	100:25 100:30	4-8	3 h	1-2 days at RT	45	7-9 Alluminium 4-5 PMMA

(*) The suggested curing cycle refers to the maximum adhesive properties. For different curing cycles refers to data sheets.

1- COMPONENTS SYSTEMS - HOT CURING

ASM 030 (ADH030)	Thixotropic Milky No sag at higt T	1-COMP	n.a.	n.a.	2 h at 120°C	135	14-16 Alluminium 10 Epoxy Laminates
ASM 105	Filled Heavy thixio Blue	1-COMP	n.a.	n.a.	2 h at 120°C	90	20-27 Stainless Steel

APPLICATIONS/PROPERTIES

Fast bonding and repairs of aluminium, steel, plastics and composites. AS88 is particularly suggested for bonding or vertical surfaces.

Riparazioni e incollaggi rapidi di alluminio, acciaio, compositi, plastici. AS88 e' indicato per incollaggi sopra testa o in verticale

Universal adhesives with different rheology. Structural bonding of aluminium, steel, carbon composite and FRP in general, wood, glass, ceramic, plastics and machinable boards.

Adesivi universali a diversa viscosità e resistenza alla tenuta in verticale. Incollaggi strutturali di alluminio, acciaio, legno, materiali compositi, vetro, ceramici, plastici, tavole lavorabili.

Structural, fatigue resistant, bonding of composite parts (car, bike, sporting goods) and of coupled materials of different modulus (aluminium, steel, FRP, glass, ceramic). High thermal and chemical resistance

Incollaggi strutturali, resistenti alla fatica, di materiali compositi (auto, bici, moto, articoli sportivi) e per materiali accoppiati di natura diversa (alluminio, acciaio, FRP, ceramica). Elevata resistenza termica e chimica.

Structural, fatigue resistant, bonding of wind propeller, aircraft, railway, boat and small to-large surfaces. Coupling of materials of different modulus (aluminium/FRP/honeycomb/steel/ceramic/glass). High chemical resistance.

Incollaggi strutturali, resistenti alla fatica, di pale eoliche, ultraleggeri, scafi, treni, superfici di piccole-medie-ampie dimensioni. Accoppiamento di materiali di natura diversa (metalli/FRP/honeycomb/ceramica/vetro). Elevata resistenza chimica.

Structural bonding of pultruded parts & SMC, ferrites, metals, ceramics and glass. Low thermal expansion coefficient, good thermal conductivity. High chemical and thermal resistance.

Incollaggi strutturali di elementi poltrusi, SMC, ferriti, ceramica e vetro. Basso coefficiente di dilatazione, buona conducibilità termica, elevata resistenza termica e chimica.

Tough bonding of FRP, plastics and machinable boards.

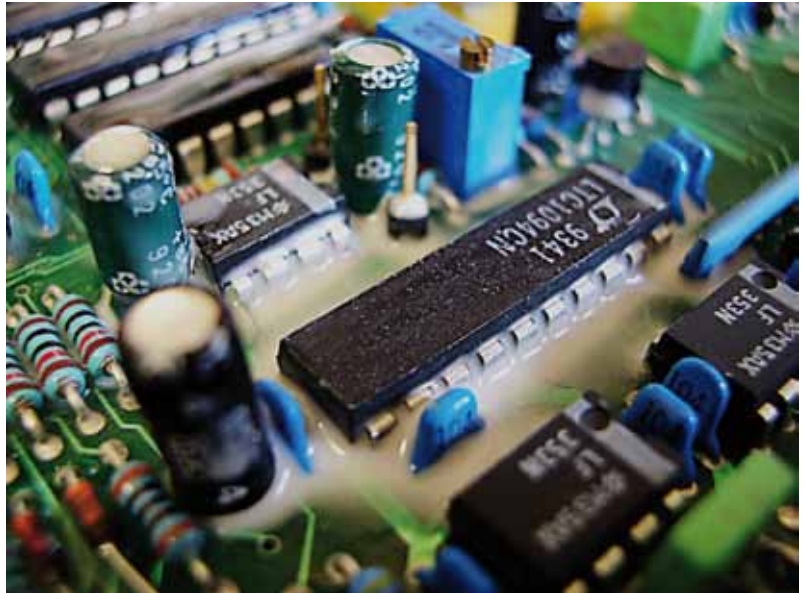
Incollaggi semirigidi di materiali termoplastici e vetroresina soggetti a vibrazioni. Incollaggio di tavole lavorabili.

High thermal resistant structural bonding or metals, ceramics (ferrites), glass, etc.

Incollaggi strutturali resistenti ad alta temperatura di metalli, ceramici, vetro, etc.

Structural bonding of different materials on metals or plastics subjected to vibrations (lamellar abrasive disks).

Incollaggio strutturale di materiali diversi su supporti in metallo o plastica soggetti a vibrazioni (dischi abrasivi lamellari).





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