



G4J - gel for prefilled joints

G4J is a Polymeric Gel on elastomeric cross linked base, chemically inert and absolutely no toxic.

G4J is UL Recognized Component



For additional information see the UL Online Certifications Directory at

www.ul.com/database

G4J is used for the filling of all **RAYTECH PREFILLED joints and accessories**:

HAPPY, HAPPY JOINT in all packing options;

GEL BOX LINE (ISAAC, PASCAL, WATT, JOULE, KELVIN) in all packing options;

GEL COVER LINE (OHM, BAR, MAMMUT GEL COVER) in all packing options;

NANO JOINT, NANO MAM, NANO FOR,

BRAVO, MINI BRAVO,

LITTLE JOINT LINE (BARNEY, FRED, DINO, BETTY, TOM, BARNEY Y, FRED Y, DINO Y, BOB3, BOB4) in all packing options,

FOX BOX, READY BOX IP68, BABY BOX

RAPID JOINT IP68, RAPIDINO IP68, SUPER CLIK,

KING JOINT, RAPID JOINT, RAPID JOINT System Fast RP, CLIK FIRE,

RAPID JOINT IP68 System Fast RP,

GALACTIC MAMMUT SECURITY, GALACTIC NANO JOINT,

MCA UNIVERSAL IP68, MCA-Y, MCA BOX.

PROPERTY		TEST METHOD / NOTE	UNIT	TYPICAL VALUE
Physical	Aspect	-	-	Gel
	Colour	-	-	Clear and transparent
	Initial Hardness	Penetration cone ASTM D 217/C	1/10 mm	340
	After aging hardness	Penetration cone ASTM D 217/C	1/10 mm	290
	Hardness		-	0 SHORE 00
	Density		g/cc	0,97
	Thermal conductivity	-	W/mK	Approx 0,2
	Continuous working temperature	-	°C	from -60 to +150
	Installation temperature	(related to joints)	°C	from -40 to + 50

RAYTECH S.R.L.

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R.E.A. 1458135 • Iscr. Reg. Imp. MI 113225760152 • Capitale Sociale € 78000,00 i.v. • P.IVA e C.F. 11325760152 • No. Iscr. Reg. AEE IT19020000011121

PROPERTY		TEST METHOD / NOTE	UNIT	TYPICAL VALUE
	Water absorption after 30 days immersion	-	%	<< 0,05%
Flammability	Flame class	UL 94	-	HB
	Flammability point	-	°C	>200
	Auto-ignition temperature	-	°C	>400
Electrical	Dielectric strength	-	kV/mm	>20
	Dielectric constant / Permittivity	@ 100Hz	-	2.95
		@ 100kHz	-	2.95
	Power factor / Tan δ	@ 100Hz @ 100kHz	-	0,0025 0,00015
	Volume resistivity	-	Ω cm	2,4 x 10exp 15

DEGREE OF PROTECTION - EN 60529			
PRODUCT LINE	IPX8	IP68	IP69K
HAPPY, HAPPY JOINT	✓		
GEL BOX LINE (ISAAC, PASCAL, WATT, JOULE, KELVIN)	✓		
GEL COVER LINE (OHM, BAR, MAMMUT GEL COVER)	✓		
NANO JOINT, NANO MAM, NANO FOR	✓		
BRAVO, MINI BRAVO	✓		
LITTLE JOINT (BARNEY, FRED, DINO, BETTY, TOM, BARNEY Y, FRED Y, DINO Y, BOB3, BOB4)		✓	✓
READY BOX IP68, FOX BOX		✓	✓
SUPER CLIK,	✓		
RAPID JOINT IP68, RAPIDINO IP68,		✓	
KING JOINT, RAPID JOINT, CLIK FIRE	✓		
RAPID JOINT IP68 SYSTEM FAST RP		✓	
RAPID JOINT SYSTEM FAST RP	✓		
GALACTIC MAMMUT SECURITY, GALACTIC NANO JOINT,	✓		
MCA UNIVERSAL IP68, MCA BOX		✓	✓
MCA-Y		✓	

EXPOSITION TO CHEMICALS OF CROSSLINKED PRODUCT	
Salt, salty water etc	have no adverse effect.
Sea water or chlorine environments (swimming pools etc.)	have no adverse effect.
Inorganic acids in water solutions	have not visible effects.
Strong, pure acids or alkaline (not in solution)	The exposition has to be avoided, especially at high temperature.
Alkaline solutions and vinegar	could bring, after a long time of exposition, to a softening of the external surface.
Solutions of hydrocarbons in water	could give, after a long exposition at quite high temperatures, the hardening of the external surface of the products; of course nothing happens for temporary expositions
Pure hydrocarbons	Permanent immersion in strong and pure hydrocarbons has to be avoided.

SHELF LIFE
Unlimited shelf life, when correctly installed according to the relevant instructions of the accessory.

Settimo Milanese, 05/2021

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