



International Products

C O R P O R A T I O N

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Metal Compatibility of P-80® IFC Temporary Assembly Lubricants At Room Temperature

Customers are encouraged to conduct their own tests before using P-80® IFC lubricants.

METAL	PROPERTY	1 Day, %Δ			14 Days, %Δ		
		P-80® EMULSION IFC	P-80® THIX IFC	Tap Water	P-80® EMULSION IFC	P-80® THIX IFC	Tap Water
ALUMINUM 1100	%Δ Mass	0.00	+ 0.01	0.00	- 0.01	0.00	- 0.05
	Δ Appearance	No change	No change	Several pinpoints	No change	No change	Pinpoints
*BRASS ALLOY 260	%Δ Mass	0.00	0.00	0.00	- 0.01	- 0.02	0.00
	Δ Appearance	No change	No change	Dark spots	Darker outlines	Dark spots	Dark spots
*BRONZE ALLOY 220	%Δ Mass	- 0.01	0.00	0.00	- 0.02	- 0.02	0.00
	Δ Appearance	No change	No change	Dark spots	Darker outlines	Dark spots	Dark spots
1008 COLD ROLLED STEEL	%Δ Mass	0.00	+ 0.01	- 0.04	0.00	- 0.01	<u>- 0.47</u>
	Δ Appearance	No change	No change	No change	No change	Dark spots	<u>Rust spots</u>
*COPPER ALLOY CA 110	%Δ Mass	- 0.01	- 0.01	0.00	- 0.03	- 0.02	0.00
	Δ Appearance	No change	No change	Darker outlines	Darker outlines	Dark spots	Darker outlines
MONEL 400	%Δ Mass	0.00	0.00	0.00	- 0.01	- 0.01	0.00
	Δ Appearance	No change	No change	No change	No change	No change	No change
304 STAINLESS STEEL	%Δ Mass	0.00	0.00	0.00	- 0.01	0.00	0.00
	Δ Appearance	No change	No change	No change	No change	No change	No change
TITANIUM ALLOY, 8% Mn	%Δ Mass	- 0.01	0.00	0.00	- 0.01	0.00	0.00
	Δ Appearance	No change	No change	No change	No change	No change	No change

Underlined and Red = Not Recommended

*P-80® RESIDUE WILL DISCOLOR COPPER AND COPPER ALLOYS.