

SF6 effects on metallic materials

Immersion conditions: 100°C x 30 days

Metallic materials	Corrosion content (mg)		Corrosivity (mg/dm ² /day)	
	Liquid phase	Gas phase	Liquid phase	Gas phase
Iron (SPCC05B)	<0.5	<0.5	<0.1	<0.1
Aluminium	<0.5	<0.5	<0.1	<0.1
Copper	<0.5	<0.5	<0.1	<0.1
Stainless (SUS304)	<0.5	<0.5	<0.1	<0.1
Magnesium	<0.5	<0.5	<0.1	<0.1
Zinc	<0.5	<0.5	<0.1	<0.1
Silver	<0.5	<0.5	<0.1	<0.1
Nickel silver	<0.5	<0.5	<0.1	<0.1
Phosphor bronze	<0.5	<0.5	<0.1	<0.1
Brass	<0.5	<0.5	<0.1	<0.1
Tin	-1.3	0.6	-0.3	0.1
Solder	-0.5	0.5	-0.1	0.1
Tin plating	-0.9	<0.5	-0.2	<0.1
Nickel plating	<0.5	<0.5	<0.1	<0.1
Nickel chrome plating	<0.5	<0.5	<0.1	<0.1
Anodic oxide coating	-0.8	-0.6	-0.2	-0.1
Titanium	<0.5	<0.5	<0.0	<0.0