

Virkon : Material compatibility immersion trial

Summary:

Corrosivity trials were performed according to the British Crop Protection Council Testing Scheme, using a 2% Virkon solution applied with 48 hours immersion. Tests were performed at 21°C followed by 24 hours air drying, and with no rinsing step included.

The study represents an empirical, 'worst case scenario' study designed to show those materials which may be sensitive to disinfection processes with Virkon. The product is not recommended for soaking objects over long periods of time. In most cases, Virkon is intended to be employed for surface disinfection by means of a spray application.

Customers should always consult Antec International Limited for further advice if any sensitive materials are to be considered.

Results:

Test Material	Sample weight (g)	Sample weight (g)	%	Comments
	Before	After	Change	Visual assessments
Aluminium	11.028	11.031	0.00	
Brass	8.128	8.102	-0.30	Affected
Mild steel	8.586	8.501	-1.00	Rust
Galvanised MS	1.712	1.501	-12.30	Affected
Monel metal	6.570	6.570	0.00	
Polypropylene	12.572	12.577	0.00	
Acetal resin	37.160	37.120	-0.10	
Nylon MNF 12115	4.411	4.415	0.10	
PTFE	0.999	1.001	0.20	
Polyethylene HD	0.680	0.684	0.60	
Polyethylene LD	1.924	1.931	0.40	
EVA	7.656	7.661	0.10	
UPVC	13.072	13.042	-0.20	
PVC	13.072	13.042	-0.20	
EPDM	1.824	1.817	-0.40	
ABS	4.361	4.363	0.00	
GRP	6.159	6.161	0.00	
Polycarbonate	4.859	4.859	0.10	
Polyurethane	10.057	10.079	0.20	
"Viton"	3.468	3.468	0.00	
"Hytrel"	2.604	2.605	0.00	
NBR Nitrile	1.899	1.899	0.00	
CR Neoprene	4.077	4.063	-0.30	
"Buna N"	4.777	4.777	0.00	
Silicone	7.926	7.936	0.10	
Red fibre	3.070	3.116	1.50	