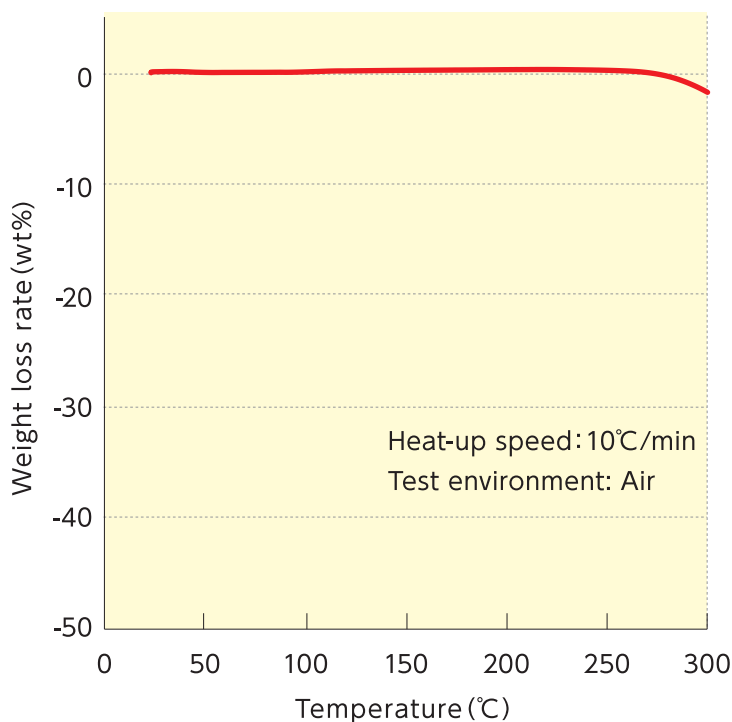


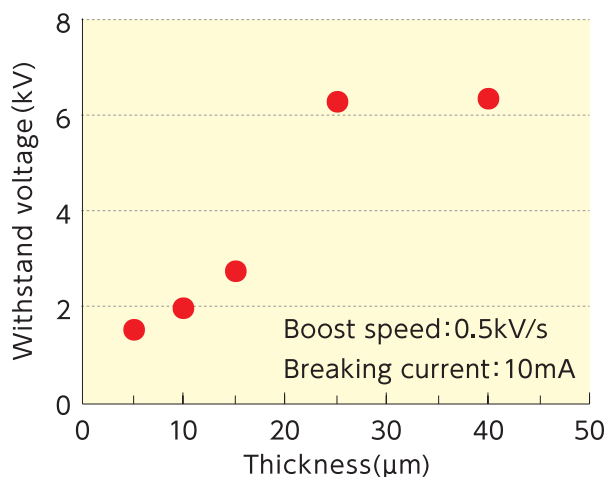
Protector HB-HR1

Coating solution for high electrical insulation and heat resistance

Silica based thin coating by transparent film



High electrical insulation



High hardness, adhesion, bending resistance



Maintain film property under 300°C

Can obtain corrosion resistant film by spraying

Film hardness	Scratch hardness*1	3H
	Fracture hardness*1	4H
Adhesion*2		100/100 (No peel-off)
Transparency		93%
Haze		0.1%
Corrosion resistance After 1 h heat treatment at 300°C		White rust occurrence: SST over 800h Aluminum A1050: SST below 24h
Recommended thickness		10μm

*1 Pencil hardness test, according to JIS K 5600-5-4

*2 Cross cut tape test