

Reliability & Chemical Property of Injection Ferrite Magnet

Tested Item	Test Condition	BFI02.I*	BFI05.I	BFI06.I	BFI06.I	BFI08.A*	BFI10.A	BFI12.A	BFI13.A	BFI14.A	BFI15.A	BFI16.A	BFI17.A	BFI13B.A	BFI15B.A	BFI16B.A	BFI13C.A
Reliability																	
Heat Resistance	120°Cx96h	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
Cold Resistance	-20°Cx96h	**	**	**	**	**	**	**	**	***	**	***	***	**	**	**	**
Humidity Resistance	80°Cx80%RHx72h	**	***	***	***	***	**	***	***	***	**	***	***	**	**	**	***
High-Low Temp. Impact	-40°C~+150°C 10 min 50cycle	***	**	**	**	**	***	**	**	**	***	**	**	**	**	**	**
Chemical Property																	
Hydraulic Oil	1Week at Room Temp.	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	—
Alcohol	1Week at Room Temp.	*	*	*	*	*	*	*	*	*	*	*	*	*	***	***	—
Weak Alkali	1Week at Room Temp.	***	***	***	***	***	***	***	***	***	***	***	***	***	**	**	—
Detergent	1Week at Room Temp.	***	***	***	***	***	***	***	***	***	***	***	***	***	**	**	—
30%Benzene +70%Gasoline	1Week at Room Temp.	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	—
Organic/Inorganic Acid	1Week at Room Temp.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	—
Ketones/Aether/ Thinner	1Week at Room Temp.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	—
Water	1Week at Room Temp.	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	—

Remark:***/Excellent **/Good */Acceptable X/Bad "I"/Isotropic "A"/Anisotropic