Main Physical & Mechanical Properties of Injection Ferrite Magnet

Material Grade	Unit	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
Binder		PA12	PA6	PA6	PA12	PA6								PA12			PPS
Tensil strength	Mpa	>39	>50	>48	>42	>60	>45	>50	>52	>52	>47	>49	>49	>46	>39	>48	>43
Density	g/cm^3	2.86-2.92	3.46-3.48	3.46-3.48	3.46-3.48	3.46-3.48	3.63-3.68	3.46-3.48	3.46-3.50	3.40-3.55	3.63-3.69	3.60-3.68	3.60-3.68	3.46-3.48	3.58-3.60	3.63-3.68	3.55-3.58
Hardness	Shore D	80--90	80-90	80--90	80--90	80--90	80--90	80--90	80--90	80--90	80--90	80--90	80--90	80--90	80--90	80--90	80--90
Working Temp. Range	℃	-40 to 100	-40 to 120	-40 to 120	-40 to 100	-40 to 120	-40 to 120	-40 to 120	-40 to 120	-40 to 120	-40 to 120	-40 to 120	-40 to 120	-40 to 100	-40 to 100	-40 to 100	-40 to 200
Curie Temp.	℃	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450