

Characteristic for MgO from UCM and JIASHUN

Application	Products	Tap Density (g/cm ³)	Flow (seconds)		Typical Chemical Analysis(Weight%)(XRF)						
		Standard Range	Tyocakl	Max.	SiO ₂	CaO	Fe ₂ O ₃	MgO	ZrO ₂	B	S PPM
High Temoerature Grades -for sheath temperatures up to 960°C	Electromag 22SR	2.36-2.40	180	200	3.2	1.4	0.15	94.4	-	0.01	15
	HTM-55	2.37	152	170	2.01	0.4	0.40	96.3	-	0.01	<20
	Electromag 22SR-80	2.20-2.25	180	230	3.6	1.6	0.15	93	-	0.01	15
	HTM-80	2.31	156	160	1.65	0.60	0.42	96.4	-	0.01	<20
	Electromag 3LA	2.36-2.40	180	200	3.2	1.4	0.17	94	-	0.01	15
	HTM-51	2.39	154	162	1.75	0.7	0.36	96.34	-	0.01	<20
Medium-High temperature up to 900°C	MHTM	2.37	155	165	2.3	0.67	0.4	96.07	-	0.01	<20
Medium Temoerature Grades -for sheath temperatures up to 850°C	Electromag 3L	2.35-2.39	190	200	2.5	1.4	0.15	95	-	0.01	15
	MTM	2.38	160	175	1.9	1.2	0.56	95.66	-	0.01	<50
	Electromag 3L-60	2.28-2.34	200	220	2.5	1.6	0.15	94	-	0.01	15
	MTM-60	2.33	158	168	2.0	0.7	0.4	96.2	-	0.01	<20
Low Temperature Grade-for liquid heating or in air up to 650°C	CAA	2.30-2.40	190	200	6.7	1.3	0.13	84	9.9	0.01	25
	Electromag 35	2.36-2.50	190	200	6.5	1.2	0.15	81.8	9.0	0.01	25
	MLTM	2.37	154	158	1.68	1.46	0.71	95.58	-	0.01	<50



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Typical Sieve Analysis(Fractional%)											Leakage @ 8W/cm2 (mA)	
Application	ASTM μ m	40 425	45 355	60 250	80 180	100 150	140 106	200 75	325 45	-325 -45		
High Temperature Grades -for sheath temperatures up to 960°C	Electromag 22SR	0-0.1	0-7	22-38	16-25	6-12	10-18	8-15	7-13	0-7	0.75	
	HTM-55	0	0.1	22.6	24.8	29.1		12.9	7.7	2.8	<0.3	
	Electromag 22SR-80	0	0	0-1	5-20	25-40	20-30		10-25	5-10	3-10	0.8
	HTM-80	0	0	0.1	3.2	50.5		24.4	16.7	5.1	<0.4	
	Electromag 3LA	0.05	5	25	20	23		12	10	5	1	
	HTM-51	0	1.0	21.9	26.8	29.1		12.0	6.4	2.8	<0.6	
Medium-High temperature up to 900°C	MHTM	0	0.2	27.2	25.2	27.9		11.6	5.8	2.1	<1	
Medium Temperature Grades -for sheath temperatures up to 850°C	Electromag 3L	0.05	5	24	19	22		12	12	6	1.6	
	MTM	0	3.6	25.7	19.1	24.3		12.7	11.0	3.6	<1.8	
	Electromag 3L-60	---	---	0.5	28	40		15	10	7	1.6	
	MTM-60	0	0	0.5	22.5	47.6		19.8	12.0	2.5	<1	
Low Temperature Grade-for liquid heating or in air up to 650°C	CAA	0.05	5	23	16	28		14	10	5	3.5	
	Electromag 35	0.05	5	30	18	24		12	8	3	3.5	
	MLTM	0	0	32.3	19.5	22.7		13.8	8.7	3	<1	

