

DATA SHEET GRAPHITE

			FELT SOFT			
SPECIFICATION	UNIT	CARBON FELT FMC-35	GRAPHITE FELT FMG-30	CARBON FELT FMC-36	GRAPHITE FELT FMG-31	
Bulk Density	(g/cm ³)	0,10	0,09	0,14	0,13	
Carbon	%	≥ 99,5	≥ 99	≥ 98	≥ 99	
Thermal Conductivity	1150°C W/m.k	0,10 - 0,15	0,10 - 0,15	0,12 - 0,16	0,12 - 0,16	
Tensile Strength	Mpa	0,13	0,10	0,15	0,14	
Crushing Stress at 10% Compression	N/cm ²	6 - 10	5 - 8	8 - 12	8 - 10	
Ash Content	%	≤ 0,005	≤ 0,005	≤ 0,05	≤ 0,005	
Processing Temperature	°C	2300	2300	1200	2300	
Operating Condition	In the air	°C	≤ 400	≤ 400	≤ 400	
	In the vacuum	°C	≥ 2300	≥ 2300	≥ 1400	
	In the inert atmosphere	°C	3300	3300	2300	
Specification Sizes	Legth	m	8 - 20	8 - 20	8 - 20	
	Width	mm	1000 - 1350	1000 - 1350	1000 - 1350	
	Thickness	mm	3/5/8/10/12	3/5/8/10/12	3/5/8/10/12	



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