

**Specification of Melt Flow Index Tester**

S.N.	Description	Specification	Remarks
1	Power	220V AC, 50Hz	
2	Accuracy	± 0.1deg C	
3	Temperature Range	Upto 400 deg C	
4	Resolution	0.1deg C	
5	Weights	1.5 Kg, 2.16 kg, 3.8 Kg, 5 Kg Hard Chrome Plated Weights	
6	Main features	Auto MRF Calculation	
		Auto Cutting	
		Auto Weighing	
7	Standard Accessories	Orifice Inbuilt	
		Funnel	
		Mirror with Stand	
		Piston	
		Dead Weight 4	
		Orifice Cleaner	
		Barrel Cleaner	
		Material Charger	
Orifice Injector			
8	Additional Accessories	All other accessories required to make Machine Operational has to be Supplied by Supplier Including Computer Set (Also Window based S/W)and Port etc.	
9	Standard	ISO/CE or Equivalent	
10	Warranty	Minimum 1 Year or Provided by OEM wichever is greater	
11	Sales Support	(i) Installation and Comissioning	
		(ii) Operation Training on Installation Site	

**Specification of Muffle furnace**

S.N	Description	Specification	Remarks
1	Furnace Structure	Double Layer Steel Casing with dual cooling fan, Temperature of furnace Shell below 60 deg C	
2	Furnace Liner	Two layers of Ceramic fiber insulation materials	
		First layer: 1800 deg C ceramic fiber board	
		Second layer: 1600 deg C ceramic fiber board	
3	Chamber dimension	500X250X500 mm	
4	Working temperature	1600 deg C	
5	Heating rate	0-25 deg C/min	
6	Temperature accuracy	±1deg C	
7	Thermocouple	B-type or PtRh40-PtRh20 (optional)	
8	Heating element	MoSi2 heating rods	
9	Working Voltage	220V,50Hz, Single phase/3 Phase AC	
10	Power	Min.20 Kw	
11	Temperature control	PID automatic control via SCR	
		30 programmable segments for precise control Built in PID auto tuned function with overheating & broken thermocouple broken protection	
		Over temperature protection and alarm allows for operation without attendant	
12	Required accessories	Crucible tong-1 Pair	
		High temperature refractory Gloves-1 Pair	
		Allen Key -1 Set	
		Heating Rods-2 Pieces	
		Ceramic/Graphite Crucible- 1 Set	
13	Standard	ISO/CE or Equivalent	
14	Warranty	Minimum 1 Year or Provided by OEM whichever is greater	
15	Sales Support	(i) Installation and Comissioning (ii) Operation Training on Installation Site	