

Properties

Properties	Test Method	Terms	Units	EMI Shielding Grades		General CF Grades		
				CFH2515KL	CFH2525KL	CFH2010	CFH2020	CFH2030
				CF 15%	CF 25%	CF 10%	CF 20%	CF 30%
Physical Properties								
Density	ISO 1183	-	g/cm ³	1.26	1.29	1.24	1.28	1.31
Rheological Properties								
Bar Flow	MEP method	(※)	mm	300	240	245	175	110
Mechanical Properties								
Stress at Break	ISO 527	23°C	MPa	148	161	111	141	155
Strain at Break			%	1.6	1.2	3.1	2.5	2.2
Flexural Strength	ISO 178	23°C	MPa	213	244	165	200	210
Flexural Modulus				11800	18800	7200	12500	16200
Charpy Notched Impact Strength	ISO 179	23°C	kJ/m ²	6	7	5	7	7
Charpy Impact Strength				34	33	38	32	31
Thermal Properties								
Temperature of deflection under load	ISO 75	1.80MPa	°C	141	140	146	146	146
Coefficient of Linear Thermal Expansion	ISO 11359	MD	1/°C	0.8E-05	0.7E-05	1.6E-05	0.9E-05	0.6E-05
		TD		7.4E-05	7.0E-05	6.4E-05	5.9E-05	5.7E-05
EMI shielding performance								
E- field	KEC method	2mmt 800MHz	dB	40	43	14	23	26
M- field				14	18	-3	1	3

(※) t=2mm,W=20mm,Tc:300°C,Tm:100°C, Injection pressure:150MPa

The value described are typical value only.

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