

Iupilon™ EMI shielding grade

Properties

Test items		Test Method	Test conditions	unit	ES1030R (under development)	Ref. S-3000R
Near-field shielding effectiveness	Electric field	KEC method	800MHz (2mmt)	dB	48	-
	Magnetic field				40	-
Density		ISO1183	—	g/cm ³	1.35	1.20
Bar-Flow Length (2mmt、150MPa、Resin temperature 300℃)		In-house method	Mold Temp. 100℃	mm	220	-
Flexural strength		ISO 178	—	MPa	94	93
Flexural modulus			—	MPa	2900	2300
Charpy impact strength		ISO 179-1、179-2	unnotched (23℃)	KJ/m ²	89	NB
			notched (23℃)	KJ/m ²	9	67
Temperature of deflection under load		ISO 75-1、75-2	1.80MPa	℃	130	124
Coefficient of linear thermal expansion		ISO 11359-2	MD	1/℃	5.4E-5	6.5E-5
			TD		6.2E-5	6.6E-5

The above data is a representative example of the measured values obtained by our designated test method that conforms to the applicable test method.

Copyright, Mitsubishi Engineering-Plastics Corp., All rights reserved.