INELEC PA66CF20IM

Polyamide 66

Infinity LTL Engineered Compounds

Message:

Inelec carbon fiber, carbon powder, stainless steel fiber, nickel coated carbon fiber and antistatic alloy electrically active compounds
Offered in all Infinity base resins
Provide electrostatic discharge and electrical conductivity. EMI and RFI shielding compounds available

General Information	
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight
Additive	Impact Modifier
Features	Electrically Conductive Impact Modified

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm³	ASTM D792
Specific Volume	0.855	cm³/g	
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.80	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	152	MPa	ASTM D638
Tensile Elongation (Yield)	3.0 to 5.0	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	234	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	130	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	530	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	232	°C	ASTM D648
CLTE - Flow	4.9E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+2 to 1.0E+4	ohms	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.59 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	79.4	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	260 to 302	°C	
Mold Temperature	93.3	°C	

Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 70	rpm
Vent Depth	0.013 to 0.025	mm

Recommended distributors for this material

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