

# INELEC PCABSCF10

Polycarbonate + ABS

Infinity LTL Engineered Compounds

## Message:

INELEC PCABSCF10 is a Polycarbonate + ABS (PC+ABS) product filled with 10% carbon fiber. It is available in North America.

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	112	MPa	ASTM D638
Tensile Elongation (Yield)	1.0 to 3.0	%	ASTM D638
Flexural Modulus	7240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Unnotched Izod Impact	320 to 430	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	129	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+6	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	246 to 266	°C	
Mold Temperature	51.7 to 82.2	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	
Vent Depth	0.025 to 0.051	mm	

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## Recommended distributors for this material

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