

INELEC ABS SS10

Acrylonitrile Butadiene Styrene
Infinity LTL Engineered Compounds

Message:

INELEC ABS SS10 is an Acrylonitrile Butadiene Styrene (ABS) product filled with stainless steel fiber. It is available in North America.

General Information			
Filler / Reinforcement	Stainless Steel Fiber		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	43.1	MPa	ASTM D638
Tensile Elongation (Yield)	3.0 to 5.0	%	ASTM D638
Flexural Modulus	2860	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	J/m	ASTM D256
Unnotched Izod Impact	270 to 370	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	87.8	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0 to 1.0E+5	ohms	ASTM D257
EMI Attenuation	40 to 55	dB	ASTM D4935
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.075	%	
Processing (Melt) Temp	238 to 254	°C	
Mold Temperature	82.2	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	
Vent Depth	0.038 to 0.076	mm	

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