

TECHNICAL DATA AND PROCESS SHEET

STAINLESS STEEL FIBER FILLED ABS

INELEC ABS SS10

TYPICAL PROPERTIES

PROPERTY	VALUE	UNIT	METHOD
PHYSICAL			
SPECIFIC GRAVITY	1.12	-	ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	0.4-0.7	%	
MECHANICAL			
TENSILE STRENGTH, YLD	6,250	psi	ASTM D638
TENSILE ELONGATION, YLD	3 -5	%	ASTM D638
FLEXURAL MODULUS	415,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	1.1	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	5-7	ft-lb/in	ASTM D256
THERMAL			
HDTUL @ 264 PSI	190	°F	ASTM D648
ELECTRICAL			
SURFACE RESISTIVITY	1E+0-1E+5	Ohms	ASTM D257
EMI SHIELDING	40-55	DB	ASTM D4935
PROCESSING			
DRYING TEMPERATURE	180	°F	
DRYING TIME	3-4	hrs	
MAX MOISTURE CONTENT	0.075	%	
MELT TEMPERATURE	460-490	°F	
MOLD TEMPERATURE	180	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	
VENT DEPTH	0.0015-0.003	in	

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