

Novalloy-S S3210

Polycarbonate + ABS

PlastxWorld Inc.

Message:

Novalloy-S S3210 is a Polycarbonate + ABS (PC+ABS) product filled with 10% glass fiber. It can be processed by injection molding and is available in North America. Applications of Novalloy-S S3210 include electrical/electronic applications, agricultural, business/office goods, engineering/industrial parts and optics/lenses.

Characteristics include:

- Flame Rated
- Flame Retardant
- Creep Resistant
- Good Dimensional Stability
- Good Processability

General Information	
Filler / Reinforcement	Glass Fiber,10% Filler by Weight
Additive	Flame Retardant
	Heat Stabilizer
	Impact Modifier
Features	Flame Retardant
	Good Creep Resistance
	Good Dimensional Stability
	Good Flow
	Good Impact Resistance
	Good Moldability
	Heat Stabilized
	High Heat Resistance
	Impact Modified
	Warp Resistant
Uses	Agricultural Applications
	Business Equipment
	Camera Applications
	Electrical Parts
	Electrical/Electronic Applications
	Machine/Mechanical Parts
	Optical Applications
	Power/Other Tools
Appearance	Black
	Colors Available
	Natural Color

Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	69.6	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	3920	MPa	ASTM D790
Flexural Strength (Yield)	116	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	91	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	119	°C	ASTM D648
CLTE - Flow	5.6E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (1.59 mm)	37	kV/mm	ASTM D149
Arc Resistance (3.18 mm)	79.0	sec	ASTM D495
Comparative Tracking Index (CTI) (3.18 mm)	150	V	UL 746
High Amp Arc Ignition (HAI) (1.57 mm)	62.0		UL 746
High Voltage Arc Tracking Rate (HVTR) (3.18 mm)	114	mm/min	UL 746
Hot-wire Ignition (HWI) (1.57 mm)	26	sec	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm, ALL)	V-0		UL 94

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