

Cevian® SER91X

Acrylonitrile Butadiene Styrene

PlastxWorld Inc.

Message:

Cevian® SER91X is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in North America.

Characteristics include:

- Flame Rated
- Flame Retardant
- Good Processability
- Good UV Resistance
- Heat Resistant

General Information			
Features	Flame Retardant		
	Good Moldability		
	Good UV Resistance		
	High Heat Resistance		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	42.1	MPa	ASTM D638
Flexural Modulus	2060	MPa	ASTM D790
Flexural Strength (Yield)	66.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94

0.787 mm	V-2	
1.57 mm	V-0	
2.50 mm	5VA	
Injection	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	180	°C
Middle Temperature	200	°C
Front Temperature	220	°C
Processing (Melt) Temp	180 to 230	°C
Mold Temperature	40.0 to 60.0	°C
Injection Pressure	49.0 to 97.9	MPa
Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 60	rpm

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Recommended distributors for this material

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