

# Veroplas SER23E

Acrylonitrile Butadiene Styrene

PlastxWorld Inc.

Message:

Veroplas SER23E is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by extrusion and is available in Europe or North America. Typical application: Engineering/Industrial Parts.

Characteristics include:

- Flame Rated
- Flame Retardant
- Good Processability

General Information			
UL YellowCard	E315545-100118264		
Features	Flame Retardant		
	Good Moldability		
Uses	Thin-walled Parts		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	13	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)	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	220	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	82.2	°C	ASTM D648
Vicat Softening Temperature	90.0	°C	ASTM D1525
CLTE - Flow	8.6E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.4E+15	ohms·cm	ASTM D257
Dielectric Strength (1.59 mm)	35	kV/mm	ASTM D149
Arc Resistance (3.05 mm)	10.0	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
0.0600 mm, ALL	V-1	
0.0800 mm, ALL	V-0	
0.100 mm, ALL	5V	

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#### Recommended distributors for this material

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