

Veroplas SER23

Acrylonitrile Butadiene Styrene

PlastxWorld Inc.

Message:

Veroplas SER23 is an Acrylonitrile Butadiene Styrene (ABS) product. It 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		
	General Purpose		
	Good Moldability		
Uses	General Purpose		
	Thin-walled Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	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)	37.9	MPa	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790
Flexural Strength	73.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	200	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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