

Veroplas E50

Acrylonitrile Butadiene Styrene
PlastxWorld Inc.

Message:

Cevian E50 is an Inherently Static Dissipative ABS. This grade is flame retardant.

General Information			
UL YellowCard	E315545-100118277		
Additive	Antistatic property		
	Flame retardancy		
Features	Antistatic property		
	Flame retardancy		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage			
Flow	0.40 - 0.70	%	ASTM D955
--	0.40 - 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Yield	35.0	MPa	ISO 527-2
--	35.2	MPa	ASTM D638
Flexural Modulus			
--	1670	MPa	ASTM D790
--	1700	MPa	ISO 178
Flexural Strength			
--	53.1	MPa	ASTM D790
--	53.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
6.35 mm	120	J/m	ASTM D256
23°C	12	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	90.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	6.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm, ALL)	V-0		UL 94
Additional Information			

Deflection Temperature Under Load, ASTM D648, 264 psi, 0.250": 183°FThe value listed as Mold Shrinkage, ISO 294, was tested in accordance with ISO 2577.

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