

Veroplas SER80

Acrylonitrile Butadiene Styrene

PlastxWorld Inc.

Message:

Veroplas SER80 is an acrylonitrile butadiene styrene (ABS) product. It can be processed by injection molding and is available in North America or Europe. Features include:
flame retardant/rated flame
Flame Retardant
Heat resistance
Good UV resistance
heat stabilizer

General Information			
Additive	heat stabilizer		
	UV stabilizer		
	Flame retardancy		
Features	Good UV resistance		
	Heat resistance, high		
	Thermal Stability		
	Thermal stability, good		
	Flame retardancy		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	39.3	MPa	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength (Yield)	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	87.2	°C	ASTM D648

RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI	60.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	V-0	UL 94	

Additional Information

Specific Gravity, ASTM D792, 73°F, 50% RH: 1.17 Water Absorption, ASTM D570, 24 hrs, 73°F: 0.3 %

Injection	Nominal Value	Unit
Drying Temperature	79.4 - 85.0	°C
Drying Time	2.0 - 4.0	hr
Rear Temperature	180 - 190	°C
Middle Temperature	200 - 210	°C
Front Temperature	220 - 230	°C
Processing (Melt) Temp	220 - 250	°C
Mold Temperature	40.0 - 60.0	°C
Injection Pressure	48.3 - 96.5	MPa
Injection Rate	Slow-Moderate	
Back Pressure	0.345 - 1.38	MPa
Screw Speed	40 - 60	rpm

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