

Cevian® SER242

Acrylonitrile Butadiene Styrene

PlastxWorld Inc.

Message:

Cevian®SER242 is an acrylonitrile butadiene styrene (ABS) product. It can be processed by injection molding and is available in North America.

Features include:

flame retardant/rated flame

Flame Retardant

Good processability

General Information			
Additive	Flame retardancy		
Features	Good formability		
	General		
	Flame retardancy		
Uses	General		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	40.0	MPa	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength (Yield)	65.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	82.8	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-2		UL 94
2.50 mm	V-0		UL 94
3.00 mm	5VA		UL 94
Additional Information			
Melt Flow Rate, ASTM D1238, 230°C, 5 kg: 21 g/10 minMelt Flow Rate, ASTM D1238, 220°C, 10 kg: 44 g/10 min			
Injection	Nominal Value	Unit	
Drying Temperature	76.7 - 85.0	°C	
Drying Time	2.0 - 4.0	hr	

Rear Temperature	160 - 180	°C
Middle Temperature	180 - 200	°C
Front Temperature	190 - 210	°C
Processing (Melt) Temp	180 - 230	°C
Mold Temperature	40.0 - 60.0	°C
Injection Pressure	48.3 - 96.5	MPa
Injection Rate	Slow-Moderate	
Back Pressure	0.345 - 0.689	MPa
Screw Speed	40 - 60	rpm

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