

Cevian®-V 110

Acrylonitrile Butadiene Styrene

PlastxWorld Inc.

Message:

Cevian®-V 110 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

Impact resistance

General Information			
Features	Medium impact resistance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.40 - 0.60	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	46.9	MPa	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength (Yield)	70.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.18 mm	200	J/m	ASTM D256
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)	92.8	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information			
Specific Gravity, ASTM D792, 73°F, 50% RH: 1.05Melt Flow Rate, ASTM D1238, 230°C, 5 kg: 9 g/10 minWater Absorption, ASTM D570, 73°F, 24 hr: 0.3 %Deflection Temperature Under Load, ASTM D648, 264 psi, unannealed, 0.250": 190°F			
Injection	Nominal Value	Unit	
Drying Temperature	79.4 - 85.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	188 - 199	°C	
Middle Temperature	210 - 221	°C	
Front Temperature	221 - 232	°C	
Processing (Melt) Temp	232 - 243	°C	
Mold Temperature	48.9 - 60.0	°C	

Injection Pressure	34.5 - 103	MPa
Injection Rate	Moderate-Fast	
Back Pressure	0.689 - 2.07	MPa
Screw Speed	60 - 80	rpm

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