

Cevian®-V 400N

Acrylonitrile Butadiene Styrene

PlastxWorld Inc.

Message:

Cevian®-V 400N 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

Heat resistance

heat stabilizer

General Information			
Additive	heat stabilizer		
Features	Heat resistance, high		
	Thermal Stability		
	Thermal stability, good		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.05	g/cm ³	ASTM D792
--	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			
230°C/3.8 kg	0.60	g/10 min	ASTM D1238
220°C/10.0 kg	2.3	g/10 min	ISO 1133
Molding Shrinkage			
Flow: 3.18mm	0.50 - 0.80	%	ASTM D955
--	0.50 - 0.80	%	ISO 294-4
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	46.2	MPa	ASTM D638
Yield	46.0	MPa	ISO 527-2
Flexural Modulus			
--	2280	MPa	ASTM D790

--	2200	MPa	ISO 178
Flexural Stress			
--	76.0	MPa	ISO 178
Yield	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
3.18 mm	140	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)	115	°C	ASTM D648
Vicat Softening Temperature			
--	130	°C	ISO 306/A50
--	122	°C	ISO 306/B50
--	124	°C	ISO 306/B120
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information			
The value listed as Mold Shrinkage, ISO 294, was tested in accordance with ISO 2577. Specific Gravity, ASTM D792, 73°F, 50% RH: 1.05 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	200 - 220	°C	
Middle Temperature	215 - 235	°C	
Front Temperature	230 - 250	°C	
Processing (Melt) Temp	240 - 260	°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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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