

Cevian®-V VGH10

Acrylonitrile Butadiene Styrene

PlastxWorld Inc.

Message:

Cevian®-V VGH10 is an acrylonitrile butadiene styrene (ABS) product, which contains a 10% glass fiber reinforced material. It can be processed by injection molding and is available in North America. The main characteristics are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 - 0.50	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	68.6	MPa	ASTM D638
Flexural Modulus (23°C)	3820	MPa	ASTM D790
Flexural Strength (23°C)	98.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	110	°C	ASTM D648
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Test Method	
Flame Rating (ALL)	HB	UL 94	
Additional Information			
Specific Gravity, ASTM D792, 73°F, 50% RH: 1.11Water Absorption, ASTM D570, 73°F, 24 hr: 0.3 %			
Injection	Nominal Value	Unit	
Drying Temperature	79.4 - 85.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	190 - 210	°C	
Middle Temperature	210 - 230	°C	
Front Temperature	230 - 250	°C	
Processing (Melt) Temp	240 - 260	°C	
Mold Temperature	60.0 - 80.0	°C	
Injection Pressure	48.3 - 117	MPa	
Injection Rate	Moderate		
Back Pressure	0.345 - 1.38	MPa	
Screw Speed	40 - 60	rpm	

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Recommended distributors for this material

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