

Cevian®-V VF512

Acrylonitrile Butadiene Styrene

Daicel Polymer Ltd.

Message:

Cevian® -V VF512 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific. Primary attribute of Cevian® -V VF512: Flame Rated.

General Information			
UL YellowCard	E47773-239552		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	35	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	46.0	MPa	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	78.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	9.0	kJ/m ²	
23°C	18	kJ/m ²	
Notched Izod Impact			ASTM D256
-30°C, 6.40 mm	80	J/m	
23°C, 6.40 mm	180	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 12.7 mm	85.0	°C	ASTM D648
1.8 MPa, Unannealed	73.0	°C	ISO 75-2/A
Vicat Softening Temperature	89.0	°C	ISO 306/B50
CLTE - Flow	8.0E-5	cm/cm/°C	ISO 11359-2
Ball Pressure Test	80	°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (1.50 mm)	33	kV/mm	ASTM D149
Arc Resistance (3.00 mm)	36.0	sec	ASTM D495
Arc Resistance (3.00 mm)	PLC 7		ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-2		UL 94

Injection	Nominal Value	Unit
Drying Temperature	70.0 to 80.0	°C
Drying Time	3.0 to 5.0	hr
Rear Temperature	160 to 170	°C
Middle Temperature	170 to 180	°C
Front Temperature	185 to 195	°C
Nozzle Temperature	185 to 195	°C
Mold Temperature	40.0 to 60.0	°C
Back Pressure	5.00 to 15.0	MPa
Screw Speed	40 to 60	rpm

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

