Cevian®-V 500, 500SF

Acrylonitrile Butadiene Styrene

Daicel Polymer Ltd.

Message:

Cevian®-V 500, 500SF is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific. Primary attribute of Cevian®-V 500, 500SF: Flame Rated.

General Information			
UL YellowCard	E47773-239442		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	19	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)	110		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	48.0	MPa	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	75.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	10	kJ/m²	
23°C	20	kJ/m²	
Notched Izod Impact			ASTM D256
-30°C, 6.40 mm	100	J/m	
23°C, 6.40 mm	200	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 12.7 mm	89.0	°C	ASTM D648
1.8 MPa, Unannealed	78.0	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°C	ISO 306/B50
CLTE - Flow	8.0E-5	cm/cm/°C	ISO 11359-2
Ball Pressure Test	90	°C	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Dielectric Strength (1.50 mm)	32	kV/mm	ASTM D149
Arc Resistance (3.00 mm)	102	sec	ASTM D495
Arc Resistance (3.00 mm)	PLC 6		ASTM D495
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	80.0 to 85.0	°C
Drying Time	3.0 to 5.0	hr
Rear Temperature	170 to 190	°C
Middle Temperature	190 to 210	°C
Front Temperature	210 to 230	°C
Nozzle Temperature	210 to 230	°C
Mold Temperature	40.0 to 60.0	°C
Back Pressure	10.0 to 20.0	MPa
Screw Speed	70 to 90	rpm

Recommended distributors for this material

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