

Cevian®-V T500, T500SF

Acrylonitrile Butadiene Styrene

Daicel Polymer Ltd.

Message:

Cevian®-V T500, T500SF is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific. Primary attribute of Cevian®-V T500, T500SF: Flame Rated.

General Information			
UL YellowCard	E47773-616232		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	25	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	42.0	MPa	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Flexural Stress	63.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	68.0	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (3000 μm)	89.0	%	ASTM D1003
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	

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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

