

Cevian®-V SKG30

Acrylonitrile Butadiene Styrene

Daicel Polymer Ltd.

Message:

Cevian®-V SKG30 is an Acrylonitrile Butadiene Styrene (ABS) material filled with 30% glass fiber. It is available in Asia Pacific. Primary attribute of Cevian®-V SKG30: Flame Rated.

General Information			
UL YellowCard	E47773-239525		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 to 0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	100	MPa	ISO 527-2
Flexural Modulus	9400	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 6.40 mm)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 12.7 mm	106	°C	ASTM D648
1.8 MPa, Unannealed	98.0	°C	ISO 75-2/A
Vicat Softening Temperature	102	°C	ISO 306/B50
CLTE			ISO 11359-2
Flow	2.0E-5	cm/cm/°C	
Transverse	8.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (1.50 mm)	24	kV/mm	ASTM D149
Arc Resistance (3.00 mm)	PLC 7		ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	180 to 200	°C	
Middle Temperature	200 to 220	°C	
Front Temperature	220 to 240	°C	

Nozzle Temperature	220 to 240	°C
Mold Temperature	60.0 to 80.0	°C
Back Pressure	10.0 to 20.0	MPa
Screw Speed	40 to 60	rpm

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Recommended distributors for this material

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