

Cevian®-N 050, 050SF

Styrene Acrylonitrile

Daicel Polymer Ltd.

Message:

Cevian® -N 050, 050SF is a Styrene Acrylonitrile (SAN) material. It is available in Asia Pacific. Primary attribute of Cevian® -N 050, 050SF: Flame Rated.

General Information			
UL YellowCard	E47773-239874		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	32	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	85		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	70.0	MPa	ISO 527-2
Flexural Modulus	3600	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 6.40 mm)	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 12.7 mm	94.0	°C	ASTM D648
1.8 MPa, Unannealed	83.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B50
CLTE - Flow	7.0E-5	cm/cm/°C	ISO 11359-2
Ball Pressure Test	90	°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (1.50 mm)	35	kV/mm	ASTM D149
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

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Recommended distributors for this material

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