

Novalloy-C CB4830

Polycarbonate + Polyester

Daicel Polymer Ltd.

Message:

Novalloy-C CB4830 is a Polycarbonate + Polyester (PC+Polyester) material. It is available in Asia Pacific. Primary attribute of Novalloy-C CB4830: Flame Rated.

General Information			
UL YellowCard		E47773-100064702	
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	62.0	MPa	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	95.0	°C	ISO 75-2/A
Electrical	Nominal Value	Test Method	
Comparative Tracking Index (CTI) (3.00 mm)	PLC 2	UL 746	
High Amp Arc Ignition (HAI) (0.750 mm)	PLC 3	UL 746	
High Voltage Arc Tracking Rate (HVTR) (3.00 mm)	PLC 0	UL 746	
Hot-wire Ignition (HWI) (3.00 mm)	PLC 2	UL 746	
Flammability	Nominal Value	Test Method	
Flame Rating (0.750 mm)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	110 to 120	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	220 to 240	°C	
Middle Temperature	240 to 260	°C	
Front Temperature	240 to 260	°C	
Nozzle Temperature	230 to 250	°C	
Mold Temperature	70.0 to 90.0	°C	
Back Pressure	10.0 to 20.0	MPa	
Screw Speed	50 to 100	rpm	

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Recommended distributors for this material

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