

Torayca® NX85K-15

Polycarbonate
Toray Resin Company

Message:

Torayca® NX85K-15 is a Polycarbonate (PC) product filled with 5.0% carbon fiber and 8.0% glass fiber. It is available in Asia Pacific, Europe, or North America. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement		Carbon Fiber,5.0% Filler by Weight Glass Fiber,8.0% Filler by Weight	
Part Marking Code		>PC-CF5+GF8<	
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.27	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/10.0 kg)	28	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow : 3.00 mm ¹	0.25 to 0.50	%	
Flow : 3.00 mm ²	0.25	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	73.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	6200	MPa	ISO 178
Flexural Stress (23°C)	115	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.3	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	121	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
NOTE			
1.	80x80x3		
2.	80x80x3mm		

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