

# Torayca® A630T-30V

Polyphenylene Sulfide

Toray Resin Company

## Message:

Torayca® A630T-30V is a Polyphenylene Sulfide (PPS) product filled with 30% carbon fiber. It is available in Asia Pacific, Europe, or North America.

Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Part Marking Code	>PPS-CF30<		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.46	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 3.00 mm <sup>1</sup>	0.50	%	
Flow : 3.00 mm <sup>2</sup>	0.10	%	
PV Limit			Suzuki Method
vs. S45C	1.4	MPa·m/s	
vs. SUS	1.5	MPa·m/s	
Amount of Wear <sup>3</sup>			Suzuki Method
vs. S45C	0.300	mg/hr	
vs. SUS	0.100	mg/hr	
Coefficient of Friction <sup>4</sup>			Suzuki Method
vs. S45C	0.290		
vs. SUS	0.0800		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	236	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.4	%	ISO 527-2
Flexural Modulus (23°C)	27800	MPa	ISO 178
Flexural Stress (23°C)	342	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.8	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	260	°C	ISO 75-2/A
Melting Temperature	278	°C	DSC
CLTE - Flow	1.5E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	10	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
NOTE			

1.	80x80x3
2.	80x80x3mm
3.	1MPa, 0.33 m/s
4.	1MPa, 0.33 m/s

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#### Recommended distributors for this material

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