

# SEPAZ™ K445CT

Polyphenylene Sulfide

Mando Advanced Materials Co., Ltd.

Message:

SEPAZ™ K445CT is a Polyphenylene Sulfide (PPS) product filled with 30% carbon fiber. It is available in Asia Pacific.

Characteristics include:

Flame Rated

Conductive

Lubricated

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Additive	PTFE Lubricant (15%)		
Features	Electrically Conductive		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage <sup>1</sup>			ASTM D955
Flow	0.0 to 0.10	%	
Across Flow	0.30 to 0.40	%	
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	169	MPa	ASTM D638
Tensile Elongation (Break)	1.4	%	ASTM D638
Flexural Modulus	21200	MPa	ASTM D790
Flexural Strength	256	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	267	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	316 to 321	°C	
Mold Temperature	135 to 163	°C	
NOTE			

1. 60°C Mold Temperature

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Recommended distributors for this material

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