

VAMPLUB F 15C 2TF

Polyphenylene Sulfide

Vamp Tech

Message:

PPS 15% carbon fiber reinforced with PTFE.

General Information			
Filler / Reinforcement	Carbon Fiber,15% Filler by Weight		
Additive	PTFE Lubricant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.20	%	
Across Flow	0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	23000	MPa	ASTM D638
Tensile Strength (Yield)	120	MPa	ASTM D638
Tensile Elongation (Break)	0.70	%	ASTM D638
Coefficient of Friction			ASTM D1894
Dynamic	0.14		
Static	0.18		
Wear Factor ¹	75.0	10 ⁻¹⁰ m ³ h/N·m·h	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	4.5	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	20	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	245	°C	ASTM D648A
Vicat Softening Temperature	255	°C	ASTM D1525 ²
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
NOTE			
1.	Thrust Washer		
2.	Loading 2 (50 N)		

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