

VAMPLUB F 30C 3TF

Polyphenylene Sulfide

Vamp Tech

Message:

PPS 30% carbon fiber reinforced with PTFE.

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 30% filler by weight		
Additive	PTFE lubricant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.40	%	ASTM D955
Transverse flow	0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	18000	MPa	ASTM D638
Tensile Strength (Yield)	110	MPa	ASTM D638
Tensile Elongation (Break)	0.90	%	ASTM D638
Coefficient of Friction			ASTM D1894
Dynamic	0.21		ASTM D1894
Static	0.26		ASTM D1894
Wear Factor ¹	90.0	10 ⁻¹⁰ m ³ h/N·m·h	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	4.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	20	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	250	°C	ASTM D1525 ²
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-0		UL 94
3.20 mm	V-0		UL 94
NOTE			
1.	Thrust Washer		
2.	载荷2 (50N)		

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