

DENISTAT Z 30C 03

Polyphthalamide

Vamp Tech

Message:

PPA 30% carbon fiber reinforced, surface resistivity 10^3 ohm.

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	26000	MPa	ASTM D638
Tensile Strength (Yield)	260	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.5	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	45	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	280	°C	ASTM D648A
Vicat Softening Temperature	270	°C	ASTM D1525 ¹
RTI Elec	150	°C	UL 746
RTI Imp	150	°C	UL 746
RTI Str	150	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	315	°C	
Mold Temperature	130	°C	
NOTE			
1.	Loading 2 (50 N)		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

