

DENISTAT N 25GC 04

Polyamide 6

Vamp Tech

Message:

PA 6 25% mixed carbon and glass fiber, surface resistivity 10^4 ohm.

General Information			
Filler / Reinforcement	Glass\Carbon Fiber,25% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.60	%	
Across Flow	1.0	%	
Water Absorption (Saturation)	1.6	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ASTM D638
Tensile Strength (Yield)	145	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	4.5	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	40	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	205	°C	ASTM D648A
Vicat Softening Temperature	212	°C	ASTM D1525 ¹
RTI Elec	120	°C	UL 746
RTI Imp	120	°C	UL 746
RTI Str	120	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	260	°C	
Mold Temperature	100	°C	
NOTE			

1. Loading 2 (50 N)

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