

DENYL 6 5010

Polyamide 6

Vamp Tech

Message:

PA 6, 50% glass fiber reinforced, not Flame Retardant compound, very good mechanical properties.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.20	%	
Across Flow	0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13000	MPa	ASTM D638
Tensile Strength (Yield)	200	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	16	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	74	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	212	°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
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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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

