

DENYL 6 3010

Polyamide 6
Vamp Tech

Message:
PA 6, 30% glass fiber reinforced, not Flame Retardant compound, good mechanical properties.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.35	--	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.50	--	%	
Across Flow	1.0	--	%	
Water Absorption (Saturation)	1.6	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9000	--	MPa	ASTM D638
Tensile Strength				
Yield	155	110	MPa	ASTM D638
Yield	--	110	MPa	ISO 527-2
Tensile Elongation				
Yield	--	6.0	%	ASTM D638, ISO 527-2
Break	3.0	--	%	ASTM D638
Flexural Modulus				
--	8500	5700	MPa	ASTM D790
--	--	5700	MPa	ISO 178
Flexural Strength	250	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact Strength	12	--	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	75	--	kJ/m ²	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	--	°C	ASTM D648A
Vicat Softening Temperature	215	--	°C	ASTM D1525 ¹
RTI Elec	120	--	°C	UL 746
RTI Imp	120	--	°C	UL 746
RTI Str	120	--	°C	UL 746
Injection	Dry	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

