

DENYL 6 0037 ST

Polyamide 6
Vamp Tech

Message:
PA 6, with elastomer, not Flame Retardant compound, very good impact resistance.

General Information			
Features	Good Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Water Absorption (Saturation)	2.2	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ASTM D638
Tensile Strength (Yield)	40.0	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Flexural Strength	60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	60	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	50.0	°C	ASTM D648A
Vicat Softening Temperature	160	°C	ASTM D1525 ¹
RTI Elec	80.0	°C	UL 746
RTI Imp	80.0	°C	UL 746
RTI Str	80.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI)	600	V	UL 746
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	250	°C	
Mold Temperature	70.0	°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

