

DENYL 6 0037 H

Polyamide 6
Vamp Tech

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

General Information				
Features		Good Impact Resistance		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.10	--	g/cm ³	ASTM D792
Water Absorption (Saturation)	2.2	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2500	--	MPa	ASTM D638
Tensile Strength				
Yield	60.0	40.0	MPa	ASTM D638
Yield	--	40.0	MPa	ISO 527-2
Tensile Elongation				
Yield	--	200	%	ASTM D638, ISO 527-2
Break	> 50	--	%	ASTM D638
Flexural Modulus	--	1000	MPa	ASTM D790, ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact Strength	12	--	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	No Break	--		ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	55.0	--	°C	ASTM D648A
Vicat Softening Temperature	190	--	°C	ASTM D1525 ¹
RTI Elec	90.0	--	°C	UL 746
RTI Imp	90.0	--	°C	UL 746
RTI Str	90.0	--	°C	UL 746
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index (CTI)	600	--	V	UL 746
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	3.0		hr	
Processing (Melt) Temp	250		°C	

Mold Temperature	70.0	°C
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NOTE

1. Loading 2 (50 N)

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