

DENILEN M 3031

Polypropylene

Vamp Tech

Message:

PP, 30% mixed mineral and glass fiber filled, not Flame Retardant compound, good mechanical properties.

General Information			
Filler / Reinforcement	Glass\Mineral,30% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.90	%	
Across Flow	1.0	%	
Water Absorption (Saturation)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ASTM D638
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	15	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	125	°C	ASTM D648A
Vicat Softening Temperature	115	°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	70.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	210	°C	
Mold Temperature	60.0	°C	
NOTE			
1.	Loading 2 (50 N)		

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