

DENILEN B 4010 CB WT

Polypropylene
Vamp Tech

Message:
PP, 40% glass fiber reinforced, not Flame Retardant compound, very good mechanical properties, chemically bonded, thermostabilized, GWFI 650/1-2
GWIT 775/1-2.

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.30	%	
Across Flow	0.70	%	
Water Absorption (Saturation)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ASTM D638
Tensile Strength (Yield)	90.0	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	9.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	35	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	150	°C	ASTM D648A
Vicat Softening Temperature	145	°C	ASTM D1525 ¹
RTI Elec	120	°C	UL 746
RTI Imp	120	°C	UL 746
RTI Str	120	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI)	600	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Glow Wire Flammability Index (1.00 to 2.00 mm)	650	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.00 to 2.00 mm)	675	°C	IEC 60695-2-13

Injection	Nominal Value	Unit
Drying Temperature	70.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	220	°C
Mold Temperature	70.0	°C

NOTE

1. Loading 2 (50 N)

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