

# Tenogel® ABS A3 G20 NTLA010 AB321

Acrylonitrile Butadiene Styrene

Petropol Industry and Trade of Polymers LTDA

Message:

Tenogel® ABS A3 G20 NTLA010 AB321 is an Acrylonitrile Butadiene Styrene (ABS) material filled with 20% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Tenogel® ABS A3 G20 NTLA010 AB321 are:

Flame Rated

Good Dimensional Stability

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Dimensional Stability		
	Good Strength		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0 to 15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.10 to 0.40	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	88.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	6300	MPa	ASTM D790
Flexural Strength	155	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	170	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	190 to 240	°C	
Mold Temperature	40.0 to 80.0	°C	

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Recommended distributors for this material

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