

Tenogel® ABS A3 G10 PRTA010 AB306

Acrylonitrile Butadiene Styrene

Petropol Industry and Trade of Polymers LTDA

Message:

Tenogel® ABS A3 G10 PRTA010 AB306 is an Acrylonitrile Butadiene Styrene (ABS) material filled with 10% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Tenogel® ABS A3 G10 PRTA010 AB306 are:

Flame Rated

Good Dimensional Stability

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Good Dimensional Stability		
	Good Strength		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 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	58.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	3700	MPa	ASTM D790
Flexural Strength	85.0	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)	105	°C	ASTM D648
Vicat Softening Temperature	110	°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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