

Tenogel® ABS A3 G20 PRTA010 AB307

Acrylonitrile Butadiene Styrene

Petropol Industry and Trade of Polymers LTDA

Message:

ABS resin for injection in black color with 20% fiber glass, general purpose, excellent mechanical and thermal properties.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	General Purpose		
Uses	General Purpose		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>ABS GF20<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	3.4	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.10 to 0.20	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	123		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	82.0	MPa	ASTM D638
Tensile Elongation (Break)	7.0	%	ASTM D638
Flexural Modulus	6470	MPa	ASTM D790
Flexural Strength	130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	98	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	109	°C	
1.8 MPa, Unannealed	104	°C	
Vicat Softening Temperature			
--	120	°C	ASTM D1525 ¹
--	109	°C	ASTM D1525 ²
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
NOTE			
1.	Rate A (50°C/h)		
2.	Rate B (120°C/h)		

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Recommended distributors for this material

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