

Tenogel® ABS A3 HS PRTA010 AB330

Acrylonitrile Butadiene Styrene
Petropol Industry and Trade of Polymers LTDA

Message:
ABS resin for injection in black color, thermally stable, excellent mechanical and thermal properties.

General Information			
Features	Good Thermal Stability		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>ABS<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	16.7	MPa	ASTM D638
Flexural Modulus	20100	MPa	ASTM D790
Flexural Strength	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	240	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°C	ASTM D648
Vicat Softening Temperature	112	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	195 to 230	°C	
Mold Temperature	50.0 to 70.0	°C	

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