

Tenogel® ABS A3 ST PRTA010 AB302 MSP

Acrylonitrile Butadiene Styrene

Petropol Industry and Trade of Polymers LTDA

Message:

ABS resin for injection in black color, high impact resistance, excellent mechanical and thermal properties, high weather protection.

General Information			
Features	Good Weather Resistance		
	High Impact Resistance		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>ABS<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	3.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	40.0	MPa	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	70.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	410	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm)	94.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	190 to 240	°C	
Mold Temperature	50.0 to 70.0	°C	

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