

# Unipren® Elastomers A3 PRTA010 70A UP321

Styrene Ethylene Butylene Styrene Block Copolymer

Petropol Industry and Trade of Polymers LTDA

## Message:

Unipren® Elastomers A3 PRTA010 70A UP321 is a Styrene Ethylene Butylene Styrene Block Copolymer (SEBS) material. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Unipren® Elastomers A3 PRTA010 70A UP321 are:

Chemical Resistant

Good Processability

Good UV Resistance

Typical applications include:

Consumer Goods

Household Applications

Tools

General Information			
Features	Good Chemical Resistance		
	Good Processability		
	Good UV Resistance		
	Ozone Resistant		
	Soft		
Uses	Household Goods		
	Power/Other Tools		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	2.0 to 3.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	67 to 73		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup>			ASTM D412
100% Strain	3.00	MPa	
300% Strain	4.00	MPa	
Tensile Strength <sup>2</sup> (Break)	9.00	MPa	ASTM D412
Tensile Elongation <sup>3</sup> (Break)	600	%	ASTM D412
Tear Strength <sup>4</sup>	45.0	kN/m	ASTM D624
Compression Set (70°C, 22 hr)	48	%	ASTM D395B
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	

Processing (Melt) Temp	180 to 200	°C
Mold Temperature	25.0 to 50.0	°C
NOTE		
1.	Die C	
2.	Die C	
3.	Die C	
4.	Die B	

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Recommended distributors for this material


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