

Unipren® Elastomers A3 NTLA010 45A UP301

Styrene Ethylene Butylene Styrene Block Copolymer

Petropol Industry and Trade of Polymers LTDA

Message:

Composite thermoplastic polymer based SEBS styrenic block with excellent resistance to ozone and ultra-violet, high mechanical and chemical properties. The touch of rubber is ideal for parts that have contact with humans as toys, tools and household utensils. All this combined with the behavior of plastics during processing.

General Information

Features	Good Chemical Resistance Good UV Resistance Ozone Resistant
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Uses	Household Goods Power/Other Tools Toys
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Resin ID (ISO 1043)	>TPE<
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Physical	Nominal Value	Unit	Test Method
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Specific Gravity	0.960	g/cm ³	ASTM D792
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Molding Shrinkage - Flow	2.0 to 3.0	%	ASTM D955
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Hardness	Nominal Value	Unit	Test Method
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Durometer Hardness (Shore A)	42 to 48		ASTM D2240
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Elastomers	Nominal Value	Unit	Test Method
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Tensile Stress ¹			ASTM D412
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100% Strain	1.50	MPa	
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300% Strain	2.50	MPa	
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Tensile Strength ² (Break)	3.50	MPa	ASTM D412
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Tensile Elongation ³ (Break)	600	%	ASTM D412
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Tear Strength ⁴	25.0	kN/m	ASTM D624
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Compression Set (70°C, 22 hr)	58	%	ASTM D395B
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Injection	Nominal Value	Unit
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Drying Temperature	80.0	°C
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Drying Time	2.0	hr
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Processing (Melt) Temp	180 to 200	°C
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Mold Temperature	25.0 to 50.0	°C
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NOTE

1.	Die C
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2.	Die C
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3.	Die C
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4.	Die C
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