

Elastron® D P.D100.A50.B

Styrene Butadiene Styrene Block Copolymer

Elastron USA, Inc.

Message:

A soft, black SBS based thermoplastic elastomer (TPE) compound specially designed for medical applications.

Bondable to: PP, EVA, PE

General Information			
Features	Block Copolymer		
	Bondability		
	Soft		
Uses	Medical/Healthcare Applications		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	2.4	%	
Across Flow	1.5	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	1.00	MPa	
300% Strain	1.40	MPa	
Tensile Strength (Break)	2.00	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength	19.0	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	13	%	ASTM D395
Additional Information	Nominal Value		Test Method
Ozone Resistance - Stressed	No Cracks		ASTM D518
Injection	Nominal Value	Unit	
Suggested Max Regrind	20	%	
Rear Temperature	145 to 175	°C	
Middle Temperature	155 to 185	°C	
Front Temperature	160 to 190	°C	
Nozzle Temperature	175 to 205	°C	

Mold Temperature	25.0 to 50.0	°C
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