

# Elastron® D P.D100.A40.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	1.10	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			ASTM D955
Flow	3.2	%	
Across Flow	1.5	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	0.900	MPa	
300% Strain	1.50	MPa	
Tensile Strength (Break)	2.50	MPa	ASTM D412
Tensile Elongation (Break)	550	%	ASTM D412
Tear Strength	15.0	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	16	%	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
------------------	--------------	----

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

