

Elastron® D D100.A40.N

Styrene Butadiene Styrene Block Copolymer

Elastron USA, Inc.

Message:

A soft, colorable SBS based thermoplastic elastomer (TPE) compound designed for injection molding applications.

Bondable to: PP, EVA, PE

General Information			
Features	Block Copolymer		
	Bondability		
	Good Colorability		
	Soft		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	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
Injection	Nominal Value	Unit	
Suggested Max Regrind	20	%	
Rear Temperature	140 to 150	°C	
Middle Temperature	145 to 160	°C	
Front Temperature	150 to 165	°C	
Nozzle Temperature	165 to 185	°C	
Mold Temperature	25.0 to 50.0	°C	

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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

