

Elastron® D D400.D62.N

Styrene Butadiene Styrene Block Copolymer

Elastron USA, Inc.

Message:

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

Bondable to: PP, EVA, PE

General Information			
Features	Block Copolymer		
	Bondability		
	Good Colorability		
	High Hardness		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	2.3	%	
Across Flow	2.2	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	14.0	MPa	
300% Strain	17.9	MPa	
Tensile Strength (Break)	20.0	MPa	ASTM D412
Tensile Elongation (Break)	650	%	ASTM D412
Tear Strength	85.0	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Suggested Max Regrind	20	%	
Rear Temperature	150 to 170	°C	
Middle Temperature	160 to 180	°C	
Front Temperature	170 to 190	°C	
Nozzle Temperature	180 to 210	°C	
Mold Temperature	25.0 to 50.0	°C	

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