## Elastron® G G101.A55.B.E

Styrene Ethylene Butylene Styrene Block Copolymer Elastron USA, Inc.

## Message:

A soft, black SEBS based thermoplastic elastomer (TPE) compound that offers average physical properties and chemical resistance. Bondable to: PP, EVA, PE

Block Copolymer   Sondability   Sondabilit	General Information				
Good Chemical Resistance   Soft	Features	Block Copolymer			
RoHS Compliance RoHS Compliant Appearance Black Forms Pellets Processing Method Extrusion Injection Molding  Physical Nominal Value Unit Test Method Rodross Flow 1.5 % Rodross Flow 1.5		Bondability			
RoHS Compliance         RoHS Compliant           Appearance         Black           Forms         Pellets           Processing Method         Extrusion Injection Molding           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.5         ycm³         ASTM D792           Molding Shrinkage         1.5         %           Flow         3.3         %           Across Flow         1.5         %           Hardness         Nominal Value         Unit         Test Method           Durometer Hardness (Shore A)         55         ASTM D2240           Elastomers         Nominal Value         Unit         Test Method           Tensile Stress         ASTM D412         ASTM D412           Inow% Strain         1.60         MPa           300% Strain         2.40         MPa           Tensile Elnogation (Break)         3.50         MPa         ASTM D412           Tensile Elnogation (Break)         550         Kn//m         ASTM D412           Tensile Elnogation (Break)         50         Kn//m         ASTM D412           Tensile Elnogation (Break)         50         Kn//m         ASTM D412 <th< td=""><td colspan="4">Good Chemical Resistance</td></th<>		Good Chemical Resistance			
Appearance         Black           Forms         Pellets           Processing Method         Extrusion           Injection Molding           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.05         g/cm³         ASTM D792           Molding Shrinkage		Soft			
Appearance         Black           Forms         Pellets           Processing Method         Extrusion           Injection Molding           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.05         g/cm³         ASTM D792           Molding Shrinkage					
Forms         Pellets           Processing Method         Extrusion Injection Molding           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.05         g/cm²         ASTM D792           Molding Shrinkage	RoHS Compliance	RoHS Compliant			
Processing Method         Extrusion injection Molding           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.05         g/cm²         ASTM D792           Molding Shrinkage	Appearance	Black			
Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.05         g/cm³         ASTM D792           Molding Shrinkage	Forms	Pellets			
Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.05         g/cm³         ASTM D792           Molding Shrinkage	Processing Method	Extrusion			
Specific Gravity         1.05         g/cm³         ASTM D792           Molding Shrinkage		Injection Molding			
Specific Gravity         1.05         g/cm³         ASTM D792           Molding Shrinkage					
Molding Shrinkage         ASTM D955           Flow         3.3         %           Across Flow         1.5         %           Hardness         Nominal Value         Unit         Test Method           Durometer Hardness (Shore A)         55         ASTM D2240           Elastomers         Nominal Value         Unit         Test Method           Tensile Stress         ASTM D412         ASTM D412           100% Strain         1.60         MPa         ASTM D412           Tensile Strength (Break)         3.50         MPa         ASTM D412           Tensile Elongation (Break)         550         %         ASTM D412           Tear Strength         26.0         kN/m         ASTM D624           Compression Set         ASTM D624         ASTM D935           23°C, 22 hr         19         %           70°C, 22 hr         60         %           Injection         Nominal Value         Unit           Suggested Max Regrind         20         %           Rear Temperature         145 to 175         °C	Physical	Nominal Value	Unit	Test Method	
Flow         3.3         %           Across Flow         1.5         %           Hardness         Nominal Value         Unit         Test Method           Durometer Hardness (Shore A)         55         ASTM D2240           Elastomers         Nominal Value         Unit         Test Method           Tensile Stress         ASTM D412         ASTM D412           100% Strain         1.60         MPa         ASTM D412           Tensile Strength (Break)         3.50         MPa         ASTM D412           Tensile Elongation (Break)         550         %         ASTM D412           Tear Strength         26.0         kN/m         ASTM D624           Compression Set         4         ASTM D395           23°C, 22 hr         19         %           70°C, 22 hr         60         %           Injection         Nominal Value         Unit           Suggested Max Regrind         20         %           Rear Temperature         145 to 175         °C	Specific Gravity	1.05	g/cm³	ASTM D792	
Across Flow         1.5         %           Hardness         Nominal Value         Unit         Test Method           Durometer Hardness (Shore A)         55         ASTM D2240           Elastomers         Nominal Value         Unit         Test Method           Tensile Stress         ASTM D412           100% Strain         1.60         MPa           300% Strain         2.40         MPa           Tensile Strength (Break)         3.50         MPa         ASTM D412           Tensile Elongation (Break)         550         %         ASTM D412           Tear Strength         26.0         kN/m         ASTM D624           Compression Set         ASTM D395         ASTM D395           23°C, 22 hr         19         %           70°C, 22 hr         60         %           Injection         Nominal Value         Unit           Suggested Max Regrind         20         %           Rear Temperature         145 to 175         °C	Molding Shrinkage			ASTM D955	
Hardness         Nominal Value         Unit         Test Method           Durometer Hardness (Shore A)         55         ASTM D2240           Elastomers         Nominal Value         Unit         Test Method           Tensile Stress         ASTM D412           100% Strain         1.60         MPa           300% Strain         2.40         MPa           Tensile Strength (Break)         3.50         MPa         ASTM D412           Tensile Elongation (Break)         550         %         ASTM D412           Tear Strength         26.0         kN/m         ASTM D624           Compression Set         4STM D395         ASTM D395           23°C, 22 hr         19         %           70°C, 22 hr         60         %           Injection         Nominal Value         Unit           Suggested Max Regrind         20         %           Rear Temperature         145 to 175         °C	Flow	3.3	%		
Durometer Hardness (Shore A)         55         ASTM D2240           Elastomers         Nominal Value         Unit         Test Method           Tensile Stress         ASTM D412           100% Strain         1.60         MPa           300% Strain         2.40         MPa           Tensile Strength (Break)         3.50         MPa         ASTM D412           Tensile Elongation (Break)         550         %         ASTM D412           Tear Strength         26.0         kN/rm         ASTM D624           Compression Set         19         %           23°C, 22 hr         19         %           70°C, 22 hr         60         %           Injection         Nominal Value         Unit           Suggested Max Regrind         20         %           Rear Temperature         145 to 175         °C	Across Flow	1.5	%		
Elastomers         Nominal Value         Unit         Test Method           Tensile Stress         ASTM D412           100% Strain         1.60         MPa           300% Strain         2.40         MPa           Tensile Strength (Break)         3.50         MPa         ASTM D412           Tensile Elongation (Break)         550         %         ASTM D412           Tear Strength         26.0         kN/m         ASTM D624           Compression Set         4STM D395         ASTM D395           23°C, 22 hr         19         %         TO°C, 22 hr           Injection         Nominal Value         Unit           Suggested Max Regrind         20         %           Rear Temperature         145 to 175         °C	Hardness	Nominal Value	Unit	Test Method	
Tensile Stress         100% Strain       1.60       MPa         300% Strain       2.40       MPa         Tensile Strength (Break)       3.50       MPa       ASTM D412         Tensile Elongation (Break)       550       %       ASTM D412         Tear Strength       26.0       kN/m       ASTM D624         Compression Set       ASTM D95         23°C, 22 hr       19       %         70°C, 22 hr       60       %         Injection       Nominal Value       Unit         Suggested Max Regrind       20       %         Rear Temperature       145 to 175       °C	Durometer Hardness (Shore A)	55		ASTM D2240	
100% Strain       1.60       MPa         300% Strain       2.40       MPa         Tensile Strength (Break)       3.50       MPa       ASTM D412         Tensile Elongation (Break)       550       %       ASTM D412         Tear Strength       26.0       kN/m       ASTM D624         Compression Set       ASTM D395         23°C, 22 hr       19       %         70°C, 22 hr       60       %         Injection       Nominal Value       Unit         Suggested Max Regrind       20       %         Rear Temperature       145 to 175       °C	Elastomers	Nominal Value	Unit	Test Method	
300% Strain       2.40       MPa         Tensile Strength (Break)       3.50       MPa       ASTM D412         Tensile Elongation (Break)       550       %       ASTM D412         Tear Strength       26.0       kN/m       ASTM D624         Compression Set       ASTM D395         23°C, 22 hr       19       %         70°C, 22 hr       60       %         Injection       Nominal Value       Unit         Suggested Max Regrind       20       %         Rear Temperature       145 to 175       °C	Tensile Stress			ASTM D412	
Tensile Strength (Break)       3.50       MPa       ASTM D412         Tensile Elongation (Break)       550       %       ASTM D412         Tear Strength       26.0       kN/m       ASTM D624         Compression Set       ASTM D395         23°C, 22 hr       19       %         10°C, 22 hr       60       %         Injection       Nominal Value       Unit         Suggested Max Regrind       20       %         Rear Temperature       145 to 175       °C	100% Strain	1.60	MPa		
Tensile Elongation (Break)       550       %       ASTM D412         Tear Strength       26.0       kN/m       ASTM D624         Compression Set       ASTM D395         23°C, 22 hr       19       %         70°C, 22 hr       60       %         Injection       Nominal Value       Unit         Suggested Max Regrind       20       %         Rear Temperature       145 to 175       °C	300% Strain	2.40	MPa		
Tear Strength       26.0       kN/m       ASTM D624         Compression Set       ASTM D395         23°C, 22 hr       19       %         70°C, 22 hr       60       %         Injection       Nominal Value       Unit         Suggested Max Regrind       20       %         Rear Temperature       145 to 175       °C	Tensile Strength (Break)	3.50	MPa	ASTM D412	
Compression Set         ASTM D395           23°C, 22 hr         19         %           70°C, 22 hr         60         %           Injection         Nominal Value         Unit           Suggested Max Regrind         20         %           Rear Temperature         145 to 175         °C	Tensile Elongation (Break)	550	%	ASTM D412	
23°C, 22 hr 19 % 70°C, 22 hr 60 %  Injection Nominal Value Unit Suggested Max Regrind 20 %  Rear Temperature 145 to 175 °C	Tear Strength	26.0	kN/m	ASTM D624	
70°C, 22 hr60%InjectionNominal ValueUnitSuggested Max Regrind20%Rear Temperature145 to 175°C	Compression Set			ASTM D395	
InjectionNominal ValueUnitSuggested Max Regrind20%Rear Temperature145 to 175°C	23°C, 22 hr	19	%		
Suggested Max Regrind 20 % Rear Temperature 145 to 175 °C	70°C, 22 hr	60	%		
Rear Temperature 145 to 175 °C	Injection	Nominal Value	Unit		
	Suggested Max Regrind	20	%		
Middle Temperature 155 to 185 °C	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
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	150 to 170	°C
Cylinder Zone 2 Temp.	155 to 175	°C
Cylinder Zone 3 Temp.	165 to 185	°C
Cylinder Zone 4 Temp.	175 to 205	°C
Cylinder Zone 5 Temp.	180 to 210	°C
Die Temperature	190 to 210	°C

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