

UNISOFT TPE™ ST-55A-NT-1-01

Styrene Ethylene Butylene Styrene Block Copolymer

UNITED SOFT PLASTICS, Inc.

Message:

TPE Compound based on Styrene-Ethylene/Butylene-Styrene Block Copolymer

General Information	
Features	Block Copolymer General Purpose Good Adhesion Soft
Uses	Adhesives Flexible Grips General Purpose Handles
Agency Ratings	FDA Unspecified Rating
Appearance	Natural Color
Forms	Pellets
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 2.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	56		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3.96	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	163 to 182	°C	
Front Temperature	182 to 202	°C	
Nozzle Temperature	202 to 216	°C	
Mold Temperature	29.4 to 65.6	°C	

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