

UNISOFT TPE™ ST-40A-BK-1-01

Styrene Ethylene Butylene Styrene Block Copolymer

UNITED SOFT PLASTICS, Inc.

Message:

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

General Information	
Features	Block Copolymer
	General Purpose
	Good Adhesion
	Good Processability
	Low Hardness
Uses	Adhesives
	General Purpose
Agency Ratings	FDA Unspecified Rating
Appearance	Black
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	1.0 to 3.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4.48	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	160 to 179	°C	
Front Temperature	179 to 202	°C	
Nozzle Temperature	202 to 210	°C	
Mold Temperature	29.4 to 65.6	°C	

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