

UNISOFT TPE™ ST-40A-CL-8-01

Styrene Ethylene Butylene Styrene Block Copolymer

UNITED SOFT PLASTICS, Inc.

Message:

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

General Information	
Features	Bondability
	Good Adhesion
	High Elasticity
	Low Density
Uses	Adhesives
	Bonding
Agency Ratings	FDA Unspecified Rating
Appearance	Translucent
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 to 3.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	12.6	MPa	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Tear Strength	17.5	kN/m	ASTM D624
Compression Set (22°C, 22 hr)	15	%	ASTM D395B
Injection	Nominal Value	Unit	
Rear Temperature	160 to 180	°C	
Front Temperature	180 to 200	°C	
Nozzle Temperature	200 to 215	°C	
Mold Temperature	30.0 to 65.0	°C	

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