

UNISOFT TPE™ ST-85A-CL-7-01

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 Abrasion Resistance
	Good Adhesion
	Low Density
Uses	Adhesives
	General Purpose
Agency Ratings	FDA Unspecified Rating
Appearance	Clear/Transparent
	Translucent
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.890	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 to 2.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.7	MPa	ASTM D412
Tensile Elongation (Break)	830	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	171 to 191	°C	
Front Temperature	191 to 207	°C	
Nozzle Temperature	207 to 221	°C	
Mold Temperature	29.4 to 65.6	°C	

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