

UNISOFT ADHESION™ AD-40A-NT-1-01

Styrene Ethylene Butylene Styrene Block Copolymer

UNITED SOFT PLASTICS, Inc.

Message:

TPE Compound based on Styrene-Ethylene/Butylene-Styrene Block Copolymer.
Special bonding grade to PC/ABS, PC/PBT, PC, ABS, PBT and PET.

General Information			
Features	Block Copolymer		
	Adhesiveness		
	Good adhesion		
Uses	Handle		
	overmolding		
	Seals		
	Bonding		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 - 2.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2.20	MPa	ASTM D412
Tensile Elongation (Break)	480	%	ASTM D412
Injection	Nominal Value	Unit	
Drying Temperature	65.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	200 - 210	°C	
Front Temperature	220 - 230	°C	
Nozzle Temperature	235 - 255	°C	
Mold Temperature	40.0 - 65.0	°C	
Injection instructions			

Temperatures are shown for PC/ABS adhesion. For better adhesion results please increase temperatures in the first 3 zones up to 15°C per zone. Material is not hygroscopic and drying is only necessary if material was stored under moisture, however pre-drying can be useful to achieve a better adhesion result to the Nylon substrate.

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Recommended distributors for this material

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