

UNISOFT ADHESION™ AD-50A-OP-1-25

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, PET and PET-G; excellent processing; improved hydrolysis resistance; improved acid resistance
Unisoft Adhesion™ AD-50A-OP-1-25 is an adhesion grade intended for use in injection molding and extrusion processes. All ingredients used for this compound are in compliance with certain FDA regulations.

General Information	
Features	Block Copolymer Workability, good Adhesiveness Good adhesion Hydrolysis resistance acid resistance
Uses	Adhesive
Agency Ratings	FDA not rated
Appearance	Natural color
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 - 2.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3.45	MPa	ASTM D412
Tensile Elongation (Break)	480	%	ASTM D412
Injection	Nominal Value	Unit	
Drying Temperature	65.6	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	199 - 210	°C	
Front Temperature	218 - 229	°C	
Nozzle Temperature	235 - 246	°C	
Mold Temperature	40.6 - 65.6	°C	

Injection instructions

Temperatures are shown for PET-G adhesion.

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